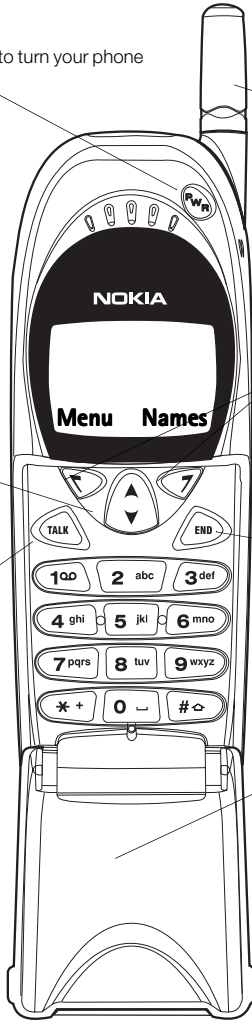
NOKIA

CONNECTING PEOPLE

OWNER'S MANUAL

NOKIA 6162i

Keys



Power key
Press and hold to turn your phone on or off.

Fixed antenna
Do not attempt to extend or remove!

Soft keys
Their current function is displayed above the key (for example, here their functions are "Menu" and "Names").

Scroll key
Scroll through menus, sub-menus, and the phone book. Press and hold for continuous scrolling.

(END)
Press this key to end a phone call.

(TALK)
Dials the number on the display.

Keypad cover
Flip it open to answer a call and to access the keypad. Flip it closed to end a call.

Indicators and Icons

You have an active call.

The phone is waiting for you to enter a response.

All tones for the current profile have been set to **Silent**.

Keyguard has been activated to help prevent any accidental keypresses.

You have one or more voice messages waiting.

You have one or more unread text messages waiting.

Digital service is available.

Any characters you enter will be upper-case letters or numbers. Press the # key to switch letter case.

Any characters you enter will be lower-case letters or numbers. Press the # key to switch letter case.

This appears when you press and hold the # key when storing names. Letters can not be entered when this appears, allowing quicker access to numbers.

You are in “special character” mode; select a special character and press **Insert**. (When entering letters, you can switch to this mode by pressing the * key.)

The alarm clock is set.

You have a reminder in your calendar to do something (appears only on Calendar display).

You have a reminder in your calendar that it’s someone’s birthday (appears only on Calendar display).

You have a reminder in your calendar to call someone (appears only on Calendar display).

You have a reminder in your calendar of a meeting (appears only on Calendar display).

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1. Safety At A Glance

Read these simple guidelines before using your phone. Failure to comply with these guidelines may be dangerous or illegal.

For more detailed safety information, see "Important Safety Information" on page 81.

Road Safety Comes First

Don't use a hand-held phone while driving; park the vehicle first.

Switch Off In Hospitals

Switch off your phone when near medical equipment. Follow any regulations or rules in force.

Switch Off On Aircraft

Mobile phones can cause interference. Using them on aircraft is illegal.

Switch Off When Refueling

Do not use the phone at a refueling point. Do not use near fuels or chemicals.

Switch Off Near Blasting

Do not use the phone where blasting is in progress. Observe restrictions, and follow any regulations or rules in force.

Interference

All mobile phones may get interference which could affect performance.

Use Sensibly

Use only in the normal position (to ear). Avoid unnecessary contact with the antenna when phone is on.

Qualified Service

Only qualified service personnel may install or repair cellular phone equipment.

Accessories and Batteries

Use only approved accessories and batteries. Do not connect incompatible products.

FCC/Industry Canada Notice

Your phone may cause TV or radio interference (e.g. when using a telephone in close proximity to receiving equipment). The FCC/Industry Canada can require you to stop using your telephone if such interference can not be eliminated. If you require assistance, contact your local service facility.

This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference.

Using this Guide

The wireless phone described in this guide is approved for use in TDMA/AMPS networks.

A number of features included in this guide are called Network Services. They are special services provided by wireless service providers. Before you can take advantage of any of these Network Services, you must subscribe to the service(s) from your home service provider and obtain instructions for their use.

Updates

The latest version of this Owner's Manual may be found on Nokia's World Wide Web site at **www.NokiaUSA.com**.

Interactive manual

Now, Nokia has a great new way for you to learn how to use all of your phone features. Go to **www.NokiaHowTo.com** to access the Nokia Interactive Owner's Manual. It provides an interactive way to get step-by-step instructions for any of your phone's features.

Disclaimer

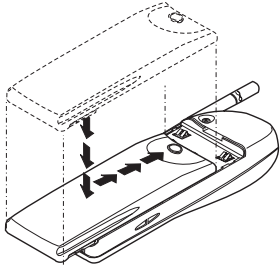
It's possible that you may not be able to activate your phone on all wireless systems. Please ask your service provider for details.

2. Getting Connected

You'll need to charge your battery once your phone has been activated. This section will help familiarize you on how, and when, to charge your battery.

Attaching your battery

Simply place the battery in the grooves on the back of your phone. Then slide the battery upward until it clicks.

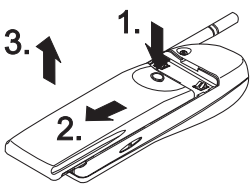


Note: Use only those batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer.

See "Important Battery Information" on page 6.

Removing the battery

Note: Switch off the phone before removing the battery!



1. Press and hold the button at the top of the battery.

2. Slide the battery toward the bottom of the phone.

3. Lift the battery off the phone.

Charging your new battery

Your phone can be used with either a rechargeable Li-Ion or NiMH battery. Note that a new battery's full performance is achieved only after two or three complete charge and discharge cycles.

With your phone on or off, connect the charger to a standard 120V AC outlet. Then connect the lead from the charger to the bottom of your phone or place it on a charging stand.

When the battery begins charging, your phone will beep once and the battery strength indicator on the right side of the display will scroll.

Note: If the battery is totally empty, it may take a few minutes before the charging indication appears on the display.

If your phone displays **Not charging**, charging is suspended. Check that the battery is not connected to a non-approved charging device. If the battery is very hot or cold, wait for a while; charging will automatically resume after the battery is restored to its normal operating state. If charging still fails, contact your dealer.

When is a good time to charge?

You can charge your battery anytime. If you have a NiMH battery, you should allow it to completely discharge once in a while.

When your phone beeps once and displays **Battery low**, you only have a couple of minutes of talk time remaining. The repetition rate of these battery-low warnings depend on the remaining battery capacity and the battery condition. These warnings are more frequent when you're in a call.

Note: The phone will not give you the warning tone under certain conditions. See "Warning and game tones" on page 73.

Once all the power has drained from your battery, you'll hear three beeps with the message **Recharge battery** on your display. At this point, your phone will switch itself off and you'll need to recharge your battery.

When is charging complete?

When the charge indicators stop scrolling, your phone is considered fully charged. However, a slight increase in charge may occur if your phone is left connected to the charger for a while. This is called “trickle charge.”

Charging times depend on the type of battery and charger used.

For approximate charging and operating times, see “Standby and Talk Times” on page 76.

Can you make calls while charging?

Yes, you can. But your battery may not charge while a call is in progress. Charging should resume once you end the call.

Discharging NiMH batteries

A NiMH battery lasts longer and performs better if you fully discharge it from time to time. To discharge the battery, leave your phone switched on until the battery is drained. The phone will display several messages that the battery is low and that you need to recharge it; just ignore them. Do not attempt to discharge the battery by any other means.

Important Battery Information

- The battery can be charged and discharged hundreds of times but it will eventually wear out. When the operating time (talk time and standby time) is noticeably shorter than normal, it is time to buy a new battery.
- Use only batteries approved by the phone manufacturer and recharge your battery only with the chargers approved by the manufacturer. When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its life. If left unused a fully charged battery will discharge itself over time.
- (NiMH batteries only) For good operation times, discharge the battery from time to time by leaving your phone switched on until it turns itself off (or by using the battery discharge facility of any approved accessory available for your phone). Do not attempt to discharge the battery by any other means.
- Temperature extremes will affect the ability of your battery to charge: allow it to cool down or warm up first.
- Use the battery only for its intended purpose.
- Never use any charger or battery which is damaged or worn out.
- Do not short circuit the battery. Accidental short circuiting can occur when a metallic object (coin, clip, or pen) causes direct connection of the + and - terminals of the battery (metal strips on the back of the battery), for example when you carry a spare battery in your pocket or purse. Short circuiting the terminals may damage the battery or the connecting object.
- Leaving the battery in hot or cold places, such as in a closed car in summer or winter conditions, will reduce the capacity and lifetime of the battery. Always try to keep the battery between 59º F and 77º F (15º C and 25º C). A phone with a hot or cold battery may temporarily not work, even when the battery is fully charged. NiMH batteries' performance is particularly limited in temperatures below 14º F (-10º C). Li-Ion batteries' performance is particularly limited in temperatures below 32º F (0º C).
- Do not dispose of batteries in a fire!
- Dispose of used batteries in accordance with any local regulations.

3. The Basics

You have purchased a powerful phone, with lots of features. Read this section for some very basic information on how to use your phone.

A more comprehensive description of your phone is covered in “Features A to Z” starting on page 16.

Switching the phone on and off

Press and hold the PWR key for two seconds to switch the phone on or off.

Switching off with the PWR key

Quickly press the PWR key (**Switch off!** will appear, highlighted) then press **OK**.

Note: This method is available in all profiles except **Headset** *and* **Car**.

NORMAL POSITION: Hold the phone as you would any other telephone with the antenna pointed up and over your shoulder.

TIPS ON EFFICIENT OPERATION: As with any other radio transmitting device, do not touch the antenna unnecessarily when the phone is switched on. Contact with the antenna affects call quality and may cause the phone to operate at a higher power level than otherwise needed.

WARNING! Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

See “Safety At A Glance” on page 1 for more information.

Get a good signal

Your phone operates on radio waves, and the quality of radio reception depends entirely on the strength of the radio signal in your area.

This radio coverage is maintained by a wireless network and the quality of calls on a wireless phone depends on the strength of the wireless radio signal.

Checking signal strength

When you are at the start screen *(see page 12)* or in a call, the signal strength is indicated by the indicators on the left side of your phone's display. These indicators scroll as the strength of the signal increases and decreases.

Increasing your phone's signal may be easy. Try moving your phone slightly, or move towards a window if you're calling from inside a building.

Using the keypad cover

When **Keypad cover setting** is on, you can answer calls simply by opening the keypad cover. When you want to hang up, just close the cover and the call will end.

When the keypad cover setting is off, you must open the keypad cover to answer any calls. Once opened, you can press any key (except the PWR and END keys) to answer a call.

To end a call, press END before closing the keypad cover.

Activating the keypad cover

1. Press **Menu** 4 2 6
2. Press ▼ or ▲ to **On** and press **OK**

Note: If you're using a headset and wish to close the keypad cover and still keep the call active, press **Options** *once before closing the keypad cover.*

Making a call

When you want to make a call, open the keypad cover, enter the area code and phone number and press TALK

Editing a number on display

Press ▲ to move the cursor to the left and ▼ to move it to the right. Press **Clear** to delete the character to the left of the cursor.

Dialing stored phone numbers

View stored names and numbers by pressing ▼ or ▲ from the start screen (*see page 12)*, then press (TALK)

See "Phone book" on page 49 for details on storing numbers.

Calling card calls

See "Calling card" on page 27.

Emergency calls

See "Emergency calls" on page 34.

Ending a call

If **Keypad cover setting** is active, simply close the keypad cover. Otherwise, press (END).

See "Using the keypad cover" on page 8.

Answering a call

The phone rings according to the settings in the currently selected profile *(see page 53)*.

If **Keypad cover setting** is active, simply open the keypad cover to answer the call. Otherwise, press any key except (END) or (PWR)

Note: If Keyguard is on (see page 10), only (TALK) answers calls. See "Using the keypad cover" on page 8.

Want to stop your phone from ringing without answering the call?

Press (PWR) when the phone rings. This keeps you from answering a call if it's inconvenient to talk.

You can still answer the call if **Call** or the name of the person who is calling is still flashing on your display.

If you don't wish to answer the call, it will be forwarded to your voice mailbox if you have a voice mail subscription.

See "Voice messages" on page 71 for details on your voice mailbox.

Keyguard

This feature helps to prevent accidental key presses (e.g. when your phone is in your pocket, in your purse) by locking your keypad.

If any keys are pressed while Keyguard is activated, **Press Unlock and then *** will display.

Activating Keyguard

There are three different ways to activate Keyguard. **Keys locked** will appear on the display when activated.

- Press and hold (END)
- Press **Menu** *
- Press **Menu** 9 at the start screen

Deactivating Keyguard

- Press **Unlock,** then *

Note: When Keyguard is **ON***, calls to the emergency number programmed into your phone (e.g. by pressing 911 then (TALK)) may be possible. However, Emergency key 9 doesn't work.*

Answering a call with Keyguard active

During an incoming call the keypad automatically unlocks. However, you can answer a call only by opening the keypad cover if it's active; otherwise, press only (TALK). After you end the call, Keyguard automatically becomes active again.

Some notes about Keyguard

- *Calls may be possible to the emergency number programmed into your phone (e.g. 911 or other official emergency number). The number is displayed only after you have keyed in its last digit.*
- *Pressing the (PWR) key quickly turns lights on for 15 seconds.*
- *Keyguard is automatically turned off when the phone is connected to a car kit.*

4. Using Your Phone

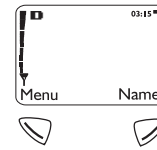
The first few days you have your phone, play with it to learn how the menu and submenu system works. The more you learn how to access these menus and submenus, the more fun you'll have with your phone.

This section describes the different methods of using your phone menus and submenus.

The display

Soft keys

Your phone has two soft keys located below the display. The current function is indicated by the texts appearing directly above them. Press the corresponding key under the choice you wish to select.



This illustration shows the phone at the start screen *(see "What is the 'start screen'?" on page 12)*. The start screen always displays **Menu** on the left and **Names** on the right. **Menu** allows you to access your phone's menus and submenus. **Names** allows you to access your phone book *(see "Phone book" on page 49)*.

Scroll key

Your phone has a scroll key located just below the display screen. The scroll key has two arrows on it that look like ▲ and ▼. Press these to navigate through your phone's menus and submenus, as well as through your phone book *(See "Phone book" on page 49)*.

Scroll bar

When you access your phone's menu and submenus, you will notice a scroll bar at the far right of the screen. This bar indicates your location in the menu structure; each "tab" on the bar represents a different menu item.

For example, press **Menu** once. The scroll bar appears with the first (top) tab displayed. A different tab appears each time you press the ▼ or ▲ key to move up and down through the menu structure. The scroll bar works the same way with submenus.

Menu & submenu numbering

When you scroll to a menu or submenu, the menu number and/or submenu number appears on the display above the scroll bar.

For example, when you scroll to menu 2 (**Call log**) the number **2** appears in the top right-hand corner of the display. If you scroll to menu 4 (**Settings**), submenu 3 (**Security settings**), your phone will display **4–3** in the top right-hand corner.

See "Summary of menu items" on page 14 for a list of your phone's features along with their menu locations.

Also, see "Using shortcuts" on page 13.

What is the 'start screen'?

The start screen appears when you first turn your phone on, in its idle state.

When you want to get to the start screen, press (END) at any time except during a call (unless you want to hang up).

Note: If you press (END) when the phone is requesting input (i.e., a setting, phone number, name, etc.), the phone displays the start screen and the input is not saved.

Scrolling through the main menu

Press **Menu** at the start screen. Then press ▼ or ▲ to reach the desired menu item.

Press **Select**, **Options** or **OK** (whichever appears) to enter submenus and to choose options.

Press **Exit** to exit the present menu or **Back** to go back one level.

Using shortcuts

This is a quick and easy way to access a menu without having to scroll through other menus.

Press **Menu**, then menu number, then submenu number.

Press the menu and submenu numbers within a couple of seconds of each other when using this method.

For a summary of your phone's menu structure, see "Summary of menu items" on page 14.

Help text

If you're not sure how a feature works, wait just a few seconds and help text will appear for most of your phone's features. Press **More** to see the next page of the text or **Back** to exit.

Summary of menu items

1 Messages

1 1 Text Messages

1 1 1 Inbox
1 1 2 Write new
1 1 3 Outbox
1 1 4 Saved
1 1 5 Erase all

1 2 Voice messages

1 2 1 Listen to voice messages
1 2 2 Voice mailbox number

1 3 Welcome Note

2 Call log

2 1 Missed calls

2 2 Dialed calls

2 3 Received calls

2 4 Clear call lists

2 5 Call timers

3 Profiles

3 1 Normal *(following submenus appear in all profiles)*

3 1 1 Select
3 1 2 Customize
3 1 2 1 Ringing options
3 1 2 2 Ringing volume
3 1 2 3 Ringing tone
3 1 2 4 Vibrating alert *(w/vibrating battery only)*
3 1 2 5 Keypad tones
3 1 2 6 Warning and game tones
3 1 2 7 Message alert tone

3 2 Silent

3 3 Meeting

3 4 Outdoor

3 5 Pager

3 6 Car *(once used with car kit)*

3 7 Headset *(once used with headset)*

4 Settings

4 1 Call settings

4 1 1 Emergency key 9
4 1 2 Automatic redial
4 1 3 Calling card

4 2 Phone settings

4 2 1 Clock
4 2 2 Alarm clock
4 2 3 Touch tones
4 2 4 Restore factory settings
4 2 5 Language
4 2 6 Keypad cover setting

4 3 Security settings

4 3 1 Restrict calls
4 3 2 Access codes

4 4 Network services

4 4 1 Voice privacy
4 4 2 Call forwarding
4 4 3 Call waiting
4 4 4 Send own number
4 4 5 Network feature setting
4 4 6 NAM selection
4 4 7 Digital/analog selection
(may not appear in all systems)
4 4 8 Public system selection
(may not appear in all systems)

5 System

5 1 Automatic

5 2 Manual

5 3 New search

6 Games

6 1 Memory

6 2 Snake

6 3 Logic

6 4 Dice

7 Calculator

8 Calendar

9 Keyguard

5. Features A to Z

ABC mode

This allows you to enter names into your phone book.

See "Entering letters and numbers" on page 35.

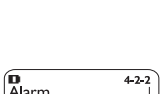
Access codes

This is a security feature that allows you access to certain phone features, such as the phone lock *(page 52)* and unlocked phone number *(page 70)*.

Also, see "Lock code" on page 42 and "Security code" on page 62.

Alarm clock

The alarm clock operates off your phone's clock. The volume for the alarm clock is determined by the current ringing volume.



Note: If you have selected the **Silent** *or* **Beep once** *ringing option (see page 59), your alarm clock will quietly beep one time.*

See "Clock" on page 30 for information on your phone's clock.

Setting the alarm clock

1. Press **Menu** 4 2 2 (**Settings** - **Phone settings** - **Alarm clock**)
2. Enter time you wish to set alarm (use two-digit fields for hours and minutes). Existing digits will be replaced with the new alarm time.
3. Press **OK**
4. Select either **am** or **pm** and press **OK**

Note: Step 4 appears only if you have selected am/pm format; see "Selecting time format" on page 31 for more information.

When the alarm goes off

Press **Stop** to shut off the alarm.

Snoozing

Press **Snooze**.

The alarm will go off again in 10 minutes. If you let the phone alarm for 1 minute without pressing a key, it stops alarming for 10 minutes then starts again.

Turning the alarm clock off

Press **Menu** 4 2 2 (**Settings** - **Phone settings** - **Alarm clock**), then scroll to **Off** and press **OK**.

Note: If you have selected the **Silent** *or* **Meeting** *profile, your alarm will only beep once. The best profile to use while using the alarm clock is* **Normal** *or* **Outdoor***, unless these have been modified from their original settings.*

For more information on Profiles, see page 53.

All calls timer

This feature keeps track of how much time you have spent on all calls with your phone.

See "Call timers" on page 24.

Automatic answer

This is one of the settings in your phone's Profiles *(see page 53)*. With this on, your phone answers incoming voice calls after one ring.

Note: This can only be used when your phone is connected to a headset or to an approved handsfree car kit equipped with the ignition sense option, with the ignition on.

Activating automatic answer

1. Press **Menu** 3 (**Profiles**)
2. Your phone lists each profile. Use ▼ to highlight either the **Car** or **Headset** profile and press **Options**.

Note: **Car** *and* **Headset** *will not appear unless your phone has already been connected to a car kit or headset at least one time.*

3. Highlight **Customize** and press **OK**. Press ▼ to **Automatic answer**, then press **Select** again.
4. Press ▼ to **On** and press **OK**.

Automatic redial

Your phone will redial the number you're trying to call up to 3 times after you hear a quick, busy signal. Press END to stop the call attempts.

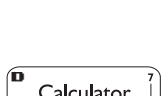
This feature attempts to redial numbers that are busy due to the wireless network. It will not redial numbers to a busy party.

Activating automatic redial

Press **Menu** 4 1 2 (**Settings** - **Call settings** - **Automatic redial**), then press ▼ or ▲ to **On** and press **OK**.

Calculator

Your phone's calculator adds, subtracts, multiplies, divides, and converts currency.



Remember! Your phone must be switched on to use this feature. Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

Using the calculator

1. Press **Menu** 7 (**Calculator**)
2. Enter the first number in the calculation (press # for decimals)
3. To add, press * (+ appears)
   To subtract, press ** twice (- appears)
   To multiply, press *** (* appears)
   To divide, press **** (/ appears)
   To add a decimal, press the # key
4. Enter the second number

Repeat these steps as many times as needed. Press **Clear** to erase any mistakes.

5. Press **Options**. With **Equals** highlighted**,** press **OK**

Note: You can also choose **Add**, **Subtract**, **Multiply**, *and* **Divide** *from the list of options.*

Storing exchange rate

1. Press **Menu** 7, then press **Options**
2. Scroll to **Exchange rate** and press **OK**
3. Press ▼ or ▲ at either **How many home units to a visited unit** or **How many visited units to a home unit**, depending on how you wish to convert the currency. Press **OK** once you decide.
4. Enter the appropriate exchange rate and press **OK** (use the # key for decimals)
5. Phone will display **Rate saved**

Converting currency

1. Press **Menu** 7
2. Enter number of units, then press **Options**
3. Press ▼ or ▲ to either **To home** or **To visited**, and press **OK**
4. Converted currency is displayed

Calendar

The calendar keeps track of birthdays, meetings, simple reminders, and calls you need to make. It can even sound an alarm when it's time for you to make a call or go to a meeting.

Remember! Your phone must be switched on to use this feature. Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

Note: Your phone must remain on to use the calendar's alarm feature. If your phone is off, the alarm will not sound at its scheduled time.

Using the calendar

1. Press **Menu** 8 (**Calendar**)
2. If you haven't set the time and date, your phone prompts you to set your phone's clock

When your phone prompts you for the time with **hh:mm**, enter the time in hours and minutes (using two-digit fields), then press **OK**

Time format (24-hour or am/pm) is set using the Clock. See "Selecting time format" on page 31.

When your phone prompts you for the date with **mm/dd/yyyy**, enter the month and day (using two-digit fields) and year (using a four-digit field), then press **OK**.

Tip: Use ▼ to move the cursor right and ▲ to move it left. When you enter a digit, it writes over the number to the right of the cursor.

3. Your phone displays the current day. You can also scroll to different days by pressing ▼ or ▲.
4. Once you're at the date you want, press **Options**. Then use ▼ to highlight the option you want, and press **Select.** The options are:

Option 1: View day

With this option, you can view the notes of the day currently on display.

Use ▼ to scroll through the notes. Each note allows you to choose the following **Options**:

Erase clears the note from your calendar.

Edit gives you the same prompts you got when you made the note.

Move gives you the date prompt so you can move the note to another date.

Option 2: Make note

With this option, you'll need to choose **Reminder**, **Call**, **Meeting**, or **Birthday**. Your phone will prompt you for more information depending on which one you choose. You can also set an alarm for any calendar note.

See "Entering letters and numbers" on page 35 for help with entering information at the **Subject:** *prompt.*

Note: When the alarm goes off, you can press **Postpone** *or* **OK**. *Press* **OK** *to shut off the alarm.*

Option 3: Erase notes

With this option, you'll need to choose which notes to erase. If you choose all the notes for the day currently on display (**Of Chosen Day**), or **One By One** (for all notes in the calendar), your phone presents each note to you with the option **Erase** or **Back**.

If you choose **All at Once**, your phone will delete all calendar notes. When prompted to confirm the erase, press **Yes** or **No**.

Option 4: View all

This allows you to view the notes of the entire calendar. Use ▼ or ▲ to scroll through the notes. **Calendar memory empty** will appear if there are no notes in the calendar.

Option 5: Go to date

Enter the date you wish to go to.

Option 6: Set the date

Enter the day and month (using two-digit fields) and year (using a four-digit field), then press **OK**.

Call forwarding

This network service is used to forward incoming calls to another number so you won't miss an important call. Check with your service provider for details.

Note: Before you can activate this feature, you should first store the feature code given to you by your service provider. Otherwise, this feature may not appear in the menu.

*However, you can use the feature code manually, if you choose, by including the feature code in front of the phone number (e.g., *72 555 1212)*

See "Network feature setting" on page 46 for more details.

1. Press **Menu** 4 4 2 (**Settings** - **Network services** - **Call forwarding**)
2. Scroll to desired call forwarding feature *(see options below)* and press **Select**
3. Highlight **Activate** and press **OK**
4. Enter phone number at **Number:** (or press **Search** to locate number in phone book) and press **OK**
5. Your phone will attempt to call the network to confirm the feature code you entered in Menu 4 4 5 (*see "Network feature setting" on page 46*)
6. Once the feature code had been confirmed, the feature is activated

Call forwarding options

Forward all calls forwards all incoming calls.

Forward if busy forwards calls only when you're on the phone.

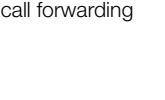
Forward if not answered forwards calls if you don't answer.

Forward if out of reach forwards calls if you are out of the serving wireless network.

Cancel all call forwarding cancels all call forwarding options you have active.

Call log

This feature automatically keeps track of numbers you've dialed, numbers that have called you, and the amount of time you've spent on calls.



Using call log

1. Press **Menu** 2 (**Call log**)
2. Scroll to one of the following options, then press **Select** or **OK**

2-1 **Missed calls** - *See page 45.*

2-2 **Dialed calls** - *See page 32.*

2-3 **Received calls** - *See page 56.*

2-4 **Clear call lists** - *See page 29.*

2-5 **Call timers** - *See page 24.*

Tip: You can dial any of the phone numbers by pressing (TALK) while the number is on the display.

The 'Options' soft key

When you access **Dialed calls**, **Received calls**, or **Missed calls** and press **Options**, a list of options will appear on your phone's display.

Call time shows the date and time when the call was first connected (if clock has been set)

Edit number allows you to edit the dialed number.

Save allows you to save the number into your phone book.

Erase will erase the number from the call list.

View number will appear only if the number has been stored in the phone book and the name is displayed instead of the number.

Call restrictions

This feature allows you to restrict incoming and outgoing calls to and from certain numbers.

See "Restrict calls" on page 56 for details.

Call settings

This feature allows you to access and activate some of your phone's features.

Using call settings

1. Press **Menu** 4 1 (**Settings** - **Call settings**)
2. Press ▼ to reach one of the following options, then press **Select**

4-1-1 **Emergency key 9** - *See page 35*.

4-1-2 **Automatic redial** - *See page 18*.

4-1-3 **Calling card** - *See page 27*.

Call timers

Your phone automatically keeps track of the amount of time you've spent in calls.

1. Press **Menu** 2 5 (**Call log** - **Call timers**)
2. Scroll repeatedly to access the following options

   Last call displays call duration of last call.

   All calls displays call duration of all calls made since timers have last been reset *(see page 30 for details on how to clear call timers)*.

   Life timer shows duration of all calls; this can not be reset *(see page 42***).**

   Clear timers clears all call timers except the Life timer *(see page 30)*.

These call durations are for the currently-selected NAM (phone number). Your phone has separate timers for each NAM your phone uses, except for the Life timer.

See "NAM selection" on page 45 for details on NAM.

Note: The actual time invoiced for calls by your service provider may vary, depending upon items such as network features, rounding off for billing, and taxes.

Call waiting

If you have subscribed to Call Waiting, your phone will beep during a call let you know you have an incoming call. Your phone may also display the incoming caller's identification *(see "Caller ID" on page 27)*.

Answering an incoming call with call waiting

Press TALK

Swapping between two calls

Press (TALK)

Ending the calls

Press (END) to end both calls

Activating call waiting

You can also activate this feature with your phone; simply ask your service provider for the feature code, store it into your phone, then activate it.

Note: This feature may not appear in your phone's menu until the feature code has been stored.

See "Network feature setting" on page 46 for more details.

1. Press **Menu** 4 4 3 (**Settings** - **Network services** - **Call waiting**)
2. Scroll to **Activate** (or select **Cancel** to cancel and press **OK**
3. Your phone will attempt to call the network to confirm the feature code you entered in Menu 4 4 5 (*see "Network feature setting" on page 46*)
4. Once the feature code had been confirmed, the feature is activated.

Caller groups

You can create groups of names in your **Phone book** *(see page 49)*, and give each group a different ringing tone. Then you'll know when someone from that group is calling you because of the way the phone rings.

Adding names to a caller group

Note: The names and numbers that you add to a group must already be stored in your phone book. See "Storing a name and number" on page 50.

1. With the display clear, press ▼ until you see the name or number you want, or choose **Name** and then press **Search**.
2. Press **Details**, if shown, or skip to Step 3

3. Press **Options**
4. Use ▼ to reach **Caller groups**. Press **Select**.
5. Use ▼ to reach the group to which you want to add this name or number. Press **Select**.

Defining a ringing tone for a caller group

1. With the display clear, press **Names**
2. Press ▼ to reach **Caller groups**. Press **Select**
3. Use ▼ to reach the group you want. Press **Select**
4. Press ▼ until you see **Group ringing tone**. Press **Select**. Use ▼ to reach the tone you want to hear when anyone from this group calls you. Press **OK**.

Tip: You can set your phone to ring *only* when people from certain caller groups call you, and to otherwise be silent.

See the "Caller group" description under "Ringing options" on page 59.

Renaming a caller group

1. Follow steps 1-3 in *"Defining a ringing tone for a caller group"*
2. Press ▼ until you see **Rename group**. Press **Select**.
3. Enter the group name *(see "Entering letters and numbers" on page 35 for details)* and press **OK**

Removing names from a caller group

1. Follow steps 1-4 in *"Adding names to a caller group"*
2. Use ▼ to reach **No group**. Press **Select**.

Caller group graphics

When someone calls you from a particular caller group, your phone can display a graphic to identify which caller group that person is calling from.

1. Press **Names**, scroll to **Caller groups**, then press **Select**

2. Scroll to the caller group you wish to display the graphic for and press **Select**
3. Scroll to **Group graphic** and press **Select**
4. Scroll to **On** to display the graphic that goes with that particular caller group

Caller ID

Caller ID is a network service that can display the name and phone number of the person calling you, if the information is available. Contact your service provider for details.

If the caller can be identified, the phone may display the caller's name and phone number. The information displayed depends on the information available through the network and your phone book. It is possible that only the name or the number will appear.

Call – caller ID unavailable will display when the wireless network doesn't recognize the calling number. Also, **Call – caller ID blocked** may display if the calling party has blocked caller ID.

Calling card

If you wish to use a calling card for long distance calls, you must first store your calling card information into your phone. Your phone can store up to four calling cards.

Storing your calling card

1. Press **Menu** 4 1 3 (**Settings** - **Call settings** - **Calling card**)
2. Scroll to desired calling card and press **Options**
3. Press ▼ or ▲ to **Edit**, press **OK**
4. Enter security code and press **OK**
5. Press **Select** at **Dialing sequence**. Select the dialing sequence your card uses (use chart below), press ▼ or ▲ to choose sequence, then press **Select**

Note: The order of the following steps may vary, depending on which dialing sequence your card uses.

6. Enter access number when prompted for the calling card's access number (usually the 1-800 number listed on the back of the calling card), press **OK**

Note: You can also retrieve the access number from your phone book if it has already been stored. Simply press **Search***, then ▼ or ▲ to find the number.*

7. Enter card number and/or PIN when prompted to enter calling card number and personal identification number, then press **OK.** Press **OK** again at **Save changes**?

8. Press ▼ or ▲ to **Card name** and press **Select**. Enter card name using your phone's keypad, press **OK**.

   See "Entering letters and numbers" on page 35 if you need help on entering the card name

For details about your phone's security code, see "Security code" on page 62.

Dialing Sequence	Use for cards that require you to:	Cards using this sequence*
Access no. + phone no. + card no.	Dial 1-800 access number, then phone number, then card number (+ PIN if required)	MCI, AT&T True Choice, Sprint Canada, Unitel
Access no. + card no. + phone no.	Dial 1-800 access number, then card number (+ PIN if required), then phone number	networkMCI, WorldPhone MCI
Prefix + phone no. + card no.	Dial the prefix (any numbers that must precede the phone number) and phone number you want to dial, then card number, (then PIN, if required)	GTE, PacBell, AT&T, Stentor

**These calling cards are frequently used with these dialing sequences. However, they may vary and are subject to change at the phone company's discretion.*

Choosing a calling card to use

1. Press **Menu** 4 1 3 (**Settings** - **Call settings** - **Calling card**)
2. Scroll to desired card and press **Options**
3. Press ▼ or ▲ to highlight **Select** and press **OK**.
4. Enter security code at **Security code:**, press **OK**
5. Your phone will display **Card ready for use**

Making calling card calls

1. Enter the phone number, including any prefix (such as 0 or 1) that your calling card may require when you make a calling card call. See your calling card for instructions.
2. Press and hold (TALK) for a few seconds until your phone displays **Card call**.
3. Listen for the tone, then press **OK**. (Your phone will display **Wait for tone, then press OK)**
4. Listen for the tone again, then press **OK**. (Your phone will display **Wait for tone, press OK again**.)

Note: This procedure may not apply to all calling card options programmed into your phone. Please look at the back of your calling card or contact your long distance company for more information.

Change lock code

This feature allows you to change your lock code.

See "Changing your lock code" on page 43.

Change security code

This feature allows you to change your security code.

See "Changing your security code" on page 62.

Clear call lists

This feature will clear all dialed numbers, as well as numbers of answered calls and missed calls. You can not undo this operation, so be careful.

Also, see "Call log" on page 22.

1. Press **Menu** 2 4 (**Call log** - **Clear call lists**)
2. Highlight either **All**, **Missed**, **Dialed**, or **Received** and press **OK** (**All** will clear all call lists, while the others clear their respective call lists)

Clear timers

This feature clears all call timers for the currently-selected NAM. *See "Call timers" on page 24 for more details.*

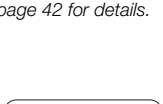
1. Press **Menu** 2 5 4 (**Call log** - **Call timers** - **Clear timers**)
2. Enter security code at **Security code:** and press **OK**

Careful: *Clearing call timers can not be undone. If you are using the call timers to log or track the amount of time you are using your phone, you may wish to record the call timers before you erase them.*

Note: The Life timer contains important warranty information and can not be reset. See "Life timer" on page 42 for details.

Clock

Your phone has an internal clock that can be displayed or hidden. It also features an alarm clock *(see page 16)*.



Note: The clock is powered by your phone's battery. If your clock has been activated and you remove the battery while your phone is still on, you will need to reset the time after you turn your phone back on.

However, if you first turn your phone off before removing the battery, your phone will retain the time and date it had before the battery was removed.

Setting the clock

1. Press **Menu** 4 2 1 (**Settings** - **Phone settings** - **Clock**)
2. Scroll to **Adjust time** and press **Select**
3. Enter present time at **Time:** (use two-digit fields for hours and minutes)

4. Press **OK**
5. Select **am** or **pm** and press **OK** (if am/pm format has been selected; see below)

Selecting time format

1. Press **Menu** 4 2 1 (**Settings** - **Phone settings** - **Clock**)
2. Scroll to **Time format** and press **Select**
3. Scroll to either **24-hour** or **am/pm**
4. Press **OK**

Displaying or hiding the clock

1. Press **Menu** 4 2 1 (**Settings** - **Phone settings** - **Clock**)
2. Scroll to either **Hide clock** or **Display clock** (only one will display depending on the current setting)
3. Press **Select**

Conference call

This feature allows you to add a third party to a call. You can use this feature with local and long distance calls.

Note: This feature may not be available in all wireless systems. See your service provider for details and availability.

Making a conference call

1. While in a call, enter (or recall from the phone book) the second phone number and press (TALK)
2. Once the third party answers, press (TALK) to connect all three parties
3. Press (TALK) again if you wish to disconnect the third party. Press (END) to drop both parties.

Recalling a number from the phone book during a conference call

1. During the call, press **Options**
2. Scroll to **Names** and press **OK**

3. Press **Select** at **Search**
4. Enter name and press **OK**, or just press ▼ or ▲ to scroll through the phone book
5. Press TALK

Current call timer

This feature displays the running elapsed time on your screen while a call is active. Once the call has ended, simply press any key to clear the display.

Also, see "Call timers" on page 24.

Activating the current call timer

Press **Menu** 2 5 (**Call log** - **Call timers**) and press **Details**. With **Current call timer** displayed, press **Select**, scroll to **On**, and press **OK**

Customer care contact number

With the press of a single button, you can quickly attempt calls to your service provider. This feature can be helpful if you're having difficulties dialing a number, especially when traveling outside your home area.

Simply press and hold the 2 key and your phone will attempt to call a customer care operator in the area.

Note: This may not be available on all systems. Contact your service provider for availability.

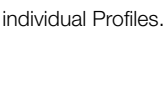
Customize profiles

This feature allows you to customize individual Profiles.

See "Profiles" on page 53 for details.

Dialed calls

Your phone automatically stores the last 10 numbers you've dialed.



1. Press **Menu** 2 2 (**Call log** - **Dialed calls**)

2. Press ▼ or ▲ to scroll through dialed numbers list

3. Press (TALK) to dial the number you wish to call

You can also access the last 10 dialed numbers if you press (TALK), then quickly press ▼ or ▲ to scroll through the list.

Also, see "Call log" on page 22 for details on other call lists.

The 'Options' soft key

See "The 'Options' soft key" on page 23.

Digital/analog selection

Note: This feature will not appear in your phone until needed. Please contact your service provider for details.

The feature allows you to select whether your phone uses an analog or digital network. The network can always override your setting, however, and the network you choose must be available.

Selecting either analog or digital

1. Press **Menu** 4 4 7 (**Settings** - **Network services** - **Digital/analog selection**)

2. Press ▼ or ▲ to one of the following:

Digit. & analog Allows your phone to first search for a digital network to place a call. If one is not available, it will then search for an analog network.

Analog Your phone will place calls only in an analog network.

Digital Your phone will place calls only in a digital network.

3. Press **OK**

The phone resets itself to **Digit. & analog** when you switch the phone off and back on.

Earpiece volume

The scroll keys on your phone will adjust the earpiece volume during a phone call. The top scroll key increases while the bottom one decreases the volume.

If an accessory like a headset or a car kit, or one with its own loudspeaker, is connected to your phone, the scroll keys will adjust the volume for that accessory.

Note: Using the scroll keys to adjust earpiece volume functions only during phone calls.

Emergency calls

Before attempting any emergency calls, see "Emergency Calls" on page 83 for important safety information.

1. If the phone is not on, switch it on
2. Press the (END) key to ready the phone for calls. (Press it twice if there are still digits on the display.)
3. Key in the emergency number for your present location (e.g. 911 or other official emergency number). Emergency numbers vary by location.
4. Press (TALK)

IMPORTANT!

This phone, like any cellular phone, operates using radio signals, cellular and landline networks, as well as user-programmed functions which can not guarantee connection in all conditions. Therefore, you should never rely solely upon any cellular phone for essential communications (e.g., medical emergencies).

Remember, to make or receive any calls, the phone must be switched on and in a service area with adequate cellular signal strength.

Emergency calls may not be possible on all cellular phone networks or when certain network services and/or phone features are in use. Check with local cellular service providers.

If certain features are in use (keyguard, restrict calls, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your cellular phone may be the only means of communication at the scene of an accident - do not cut off the call until given permission to do so.

Emergency key 9

With this feature on, the phone attempts to make an emergency call when you press 9, then (TALK). The phone dials the emergency number pre-programmed into your phone.

Note: You can also dial an emergency call by pressing and holding 9 until the phone indicates it is attempting to make an emergency call. However, this method does not work when Keyguard is active or when the phone is connected to a modem.

Activating Emergency key 9

Press **Menu** 4 1 1 (**Settings** - **Call settings** - **Emergency key 9**), scroll to **On** to activate or **Off** to cancel, then press **OK**.

IMPORTANT!

Official emergency numbers vary by location (e.g. 911). Only one emergency number is programmed into your phone to be dialed automatically by Emergency key 9, which may not be the proper number in all circumstances.

Entering letters and numbers

You can enter letters, as well as numbers, when storing information into your phone by using your phone's keypad. When you see the letter you wish to enter, simply press the key associated with that letter until it appears on the display (numbers also appear).

ABC mode

When you need to enter letters into your phone, it will automatically switch over to ABC mode.

Your phone displays the ABC icon to indicate that your phone is in ABC mode. It also displays when you are viewing names rather than numbers.

When ABC is displayed, you can enter these characters (see below):

Key	Characters	Key	Characters
1	.,'?!-1	7	PQRS7
2	ABC2	8	TUV8
3	DEF3	9	WXYZ9
4	GHI4	0	Enters an empty space, 0
5	JKL5	*	*(See next page)*
6	MNO6	#	Changes letter case; long press toggles between ABC/abc and 123 mode

While you're editing a name, the ▲ key will move the cursor to the left, and ▼ will move it to the right. Press **Clear** to correct any mistakes.

If you wish to enter an empty space between characters, press 0 for each space.

Changing letter case

Press the # key to switch between upper and lower case letters. The ABC icon will switch to abc to indicate you are using lower case.

123 mode

When storing names to the phone book, you can enter a number within a name at any time. Simply press that particular number key a few times until it appears.

However, you can do this more quickly by accessing the 123 mode, without having to scroll through each letter to access the number you wish to enter.

Simply press the # key for about 2 seconds while in ABC mode and the 123 icon will appear. While in this mode, only numbers can be entered. Letters can not be entered unless your phone is in ABC mode.

Press the # key again for a couple of seconds if you wish to deactivate the 123 mode.

Special characters (for storing names)

When in ABC mode *(see page 16)*, you can press the * key and the following special characters will appear. You can use these characters to help when storing names in your phone book. Simply press ▼ or ▲ to highlight the one you wish to use and press **Insert**.

. , ? ! : ; - + # * ( ) ‘ “ _ @ & $ £ % / < > ¿ ¡ § = [ ] ¥

TIP: If you wish to access a special character that appears toward the end of this list, press ▲ for quicker access.

Special characters (for storing numbers)

The following special characters are helpful when you store names to your phone book *(see page 49)*. Simply press the * key once or repeatedly, and the following characters can be stored within the number sequence.

(**p**) creates a pause when a number is dialed; the digits located to the right of the “**p**” are automatically sent as touch tones after a 2.5 second pause *(see page 69)*.

(**w**) creates a “wait” when a number is dialed. The “**w**” makes your phone wait for you to press **Send** or (TALK), then it sends the digits located to the right of the “w” as touch tones *(see page 69)*.

You can add as many special characters as you need in a single number sequence. These characters can not be entered while in ABC mode.

Erasing stored names and numbers

See "Erasing stored names and numbers" on page 51.

Erasing your entire phone book

See "Erasing your entire phone book" on page 52.

Games

You have four exciting games to choose from in your phone. Press **Menu** 6 to choose one of the following games:

REMEMBER! Your phone must be switched on to use this function. Do not switch on the phone when wireless phone use is prohibited or when it may cause interference or danger.

Memory

Reveal pictures to find pairs in as few tries as possible. Move the cursor with the 2 (up), 4 (left), 6 (right), and 8 (down) keys. Press the 5 key to reveal pictures. Press the # key to jump right over revealed pictures or move from top left to bottom right. Press the * key to jump left over revealed pictures or move from bottom right to top left. Once found, pairs stay visible.

Snake

Feed the snake with as many goodies as possible and watch it grow. Use keys 2, 4, 6, and 8 to turn the snake toward food. The longer the snake's tail grows, the higher the score. If the snake hits its own tail or the surrounding wall, the game is over.

Logic

Find a secret combination of figures. Available figures are shown at the top of the display before you accept the first guess row. Use the 2, 4 and 8 keys to move the cursor and the 5 key to select the figure. To copy a figure from a previously accepted guess row, start scrolling with the 4 key, move the cursor to the desired figure in the normal way and accept the selection with the 5 key.

Once you think you have the right combination, press the * key. The result is presented as a set of marks over the row. A correct figure in the right place gives a full mark; a correct figure in the wrong place gives a half mark. The game ends when all the figures are correct and in the right place.

Dice

Use this to play other games that require a set of dice if one isn't available. Use the **Level** option to set the number of dice, up to six. You can roll, lock, and unlock each die as many times as you wish.

When you start a new game, the dice roll for a couple of seconds and then stop. Use the 4 (left) and 6 (right) keys to select a die. Press the 5 key to lock or unlock the selected die.

Press * to roll the unlocked dice again.

Game options

When you select a game, you can choose from the following submenus:

Level allows you to choose the level of difficulty.

New game starts a new game.

Top score will display the top score (*does not appear in Logic*).

Instructions will describe how the game is played.

Note: **Last view** *or* **Continue** *may appear in the options list if a game is interrupted, not finished, or if you have lost the game.*

Inbox

When you receive a text message, it's stored in the Inbox. Your phone will display **Message received**, along with the text message icon, and makes a sound (*depending on the message alert tone; see page 44*).

Please see "Text messages and pages" on page 65 for complete details on this feature.

In-call menu

While in a call, you may notice the **Options** soft key. Pressing this will access you to the in-call menu, and you may notice the following choices:

Touch tones You can manually enter a touch tone string or search for one in your phone book *(see "Phone book" on page 49)*

New call You can make a third party conference call *(see "Conference call" on page 31)*

Menu Allows you access to your phone's menu

Names Allows you access to your phone book *(see "Phone book" on page 49)*

Mute Allows you to mute the microphone; if your microphone is already muted, this will change to **End mute** *(see "Microphone" on page 44)*

Keyguard

This feature helps protect the keypad against accidental keypresses.

See "Keyguard" on page 10 for complete details.

Keypad cover setting

This feature activates the keypad cover if you wish to answer and end calls with the keypad cover.

See "Using the keypad cover" on page 8 for details.

Keypad tones

This is one of the settings in your phone's Profiles (*see page 53*). It sets the volume of the tone you hear when you press your phone's keys.

Note that if you choose the **Silent** profile, keypad tones will be turned off.

Setting the keypad tones

1. Press **Menu** 3 (**Profiles**)

2. Your phone lists each profile. Use ▼ to highlight the one you want to set the keypad tones for and press **Options**.
3. Highlight **Customize** and press **OK**. Press ▼ to **Keypad tones** and press **Select**
4. Press ▼ to scroll through the options; your phone plays a sample of each. Press **OK** for the one you want.

Language

Because many wireless phone customers speak English as a second language, your phone allows you to choose your phone's displayed language.

Choosing a language for your phone

Press **Menu** 4 2 5 (**Settings** - **Phone settings** - **Language**), scroll to the language you wish to use and press **OK**.

You can choose from English, French, Spanish, Portuguese or Traditional Chinese.

Last call timer

This feature displays the duration of your last call.

See "Call timers" on page 24.

Last number redial

When you want to call your last dialed number,

Press (TALK) and wait 3 seconds

Note: You must be at the start screen before you press (TALK)

Letter case

You can change from upper to lower case when entering letters into your phone.

See "Changing letter case" on page 36 for complete details.

Life timer

The life timer displays the total time of all calls dialed and received with your phone (in hours and minutes only). The life timer can not be reset and is used in conjunction with your phone's warranty

Also, see "Call timers" on page 24.

Lights

This is one of the settings in your phone's **Car** Profile (*see page 53*). This feature determines whether the lights are on only when you use your phone, or if they are on at all times. This setting works only when your phone is connected to a car kit.

1. Press **Menu** 3 (**Profiles**)
2. Your phone lists each profile. Use ▼ to highlight **Car** and press **Options**.

Note: **Car** *will not appear in the list until the phone has been connected to a car kit at least once.*

3. Highlight **Customize** and press **OK**. Press ▼ to highlight **Lights** and press **Select**.
4. Use ▼ to scroll through your choices and press **OK**

If you select **Automatic**, your phone's lights are turned off within fifteen seconds if no keys are pressed. If **On** is selected, then the lights will remain on the entire time your phone is connected to the car kit.

Listen to voice messages

This feature allows you to access your voice messages.

See "Voice messages" on page 71 for complete details.

Lock code

You'll need the lock code to activate and deactivate Phone Lock (see *page 52*), or to change your lock code. The default lock code is 1234. If you enter an incorrect lock code five times in a row, your phone will prompt you for the security code (see *page 62*).

Changing your lock code

In a lock code, only numeric characters are accepted.

1. Enter **Menu** 4 3 2 3 (**Settings** - **Security settings** - **Access codes** - **Change lock code**)
2. Enter lock code at **Enter lock code:** and press **OK**
3. Enter new lock code, press **OK**
4. Verify new lock code, press **OK**

Note: When you change your lock code, make sure you store it in a safe place, away from your phone. Avoid entering access codes similar to emergency numbers to prevent accidental emergency calls.

Manual touch tones

This setting determines how long touch tones are produced as you press the keys on the keypad. Note that touch tones are sometimes called DTMF tones.

See "Touch tones" on page 69 for details.

Setting manual touch tones

Press **Menu** 4 2 3 1 (**Settings** - **Phone settings** - **Touch tones** - **Manual touch tones**) and highlight one of the following options, then press **OK.**

Continuous means the tone sounds for as long as you press and hold the key.

Fixed sets the tone length to .1 second, regardless of how long you press the key.

Off turns the tones off, and no tones will be sent when you press the keys.

Memory status

This feature allows you to see how many free and in-use memory locations are in your directory.

Also, see "Phone book" on page 49.

Press **Names**, scroll to **Options** and press **Select**. Then scroll to **Memory status** and press **Select** again

Messages

This feature allows you to access your voice and text messages, as well as composing your own welcome note.

Using messages

1. Press **Menu** 1 (**Messages**)
2. Scroll to one of the following options, then press **Select**

   1-1 **Text messages** - *See page 65*.

   1-2 **Voice messages** - *See page 71*.

   1-3 **Welcome note** - *See page 73*.

Message alert tone

This is one of the settings in your phone's Profiles (*see page 53*). It sets the tone that your phone makes when you get a text message.

Also, see "Text messages and pages" on page 65.

1. Press **Menu** 3 (**Profiles**)
2. Your phone lists each profile. Use ▼ to highlight the one you want to set the message alert tone for and press **Options**.
3. Highlight **Customize** and press **OK**. Press ▼ to highlight **Message alert tone**, then press **Select**.
4. Use ▼ to scroll through your choices (your phone plays samples) and press **OK**.

Microphone

You can mute and unmute your phone's microphone while a call is in progress. During a call, your phone's soft keys change from **Names** and **Menu** to **Options** and **Mute**.

Muting and unmuting your phone

You can mute the phone's microphone during a call; simply press **Mute**. To unmute the microphone, press **Unmute**.

If these texts are not available, press **Options**, scroll to **Mute** or **End mute** and press **Select**.

Muting and unmuting also affect the microphones of any accessories connected to the phone.

Missed calls

Your phone will keep track of the last 10 calls you have missed if you weren't around to answer the call. Missed calls will appear in your phone only if your phone was turned on and in a service area when the call was missed.

If the display says 'Missed calls'

Press **List**. To call back the displayed number, press (TALK). Press **Exit** to go back to the start screen.

The 'Options' soft key

See "The 'Options' soft key" on page 23.

Checking the missed calls list anytime

Press **Menu** 2 1 (**Call log** - **Missed calls**), then scroll through the list.

This shows you the phone numbers of the 10 most recent calls you've not answered.

When the **Forward if not answered** option in the Call Forwarding feature *(see page 21)* is selected, your phone treats the forwarded calls as missed calls.

Also, see "Call log" on page 22 for details on other call lists.

NAM selection

The service provider programs your phone with the phone number and system information into your phone's memory when your phone is first activated. This is called a Number Assignment Module (NAM).

For example, your phone can be activated in up to 3 different service areas (e.g. one in Dallas, another in Chicago, and maybe one more in New York), each giving your phone a different phone number or account.

Only one number can be active at a time. When you select a phone number, you're also selecting which system you're using as your home system *(see "System" on page 64)*. The first phone number displayed with this menu is the currently selected number.

Note: It may not be necessary to have three NAMs for your phone if your service provider has service or roaming agreements for each area in which you wish to use your phone. Contact your service provider for details.

Selecting the NAM for your phone

Press **Menu** 4 4 6 (**Settings** - **Network services** - **NAM selection**), highlight the phone number you want to use and press **OK**.

Note: You need at least one active number to make calls. You can not change from one NAM to another during a call.

Network feature setting

Call forwarding *(page 21)*, Call waiting *(page 24)* and Send own number *(page 63)* are network services available through your service provider or dealer.

When you subscribe to any of these services, your service provider or dealer gives you a separate feature code to activate each service. Deactivation codes are used to deactivate each service.

Once you store the appropriate code in your phone, the service appears as a menu item. You can then use the menu to activate and deactivate these services.

Each time you use a feature that requires a feature code, that code is sent to the network to verify you're using the correct feature code.

Note: If your phone has more than one phone number programmed, any feature codes stored will apply only to your primary phone number, or NAM 1.

See "NAM selection" on page 45 for details on NAM.

Storing codes

1. Press **Menu** 4 4 5 (**Settings** - **Network services** - **Network feature setting**)
2. At **Feature Code:**, enter the feature code or deactivation code received from your dealer (e.g. ∗74, ∗740, etc.), press **OK**
3. ▼ to the service that the code applies to and press **Select**
4. ▼ to suboption, then **Select** (Repeat step as required, based on number of suboptions)

   (Use step four only for call forwarding options)
5. ▼ to **Activate** or **Cancel**, then press **OK**

Network services

Some of the features in this menu are network services that require a subscription. See your service provider for details and availability.

4-4-1 **Voice privacy** - *See page 72*.

4-4-2 **Call forwarding *** - *See page 21.*

4-4-3 **Call waiting *** - *See page 24*.

4-4-4 **Send own number *** - *See page 63*.

4-4-5 **Network feature setting** - *See page 46*.

4-4-6 **NAM selection** - *See page 45*.

4-4-7 **Digital/analog selection **** - *See page 33.*

4-4-8 **Public system selection **** - *See page 55.*

***** *These features will not appear in the menu unless they are activated using* **Network feature setting**. *See "Network feature setting" on page 46 for details.*

****** *These features appear in your phone's menu only when needed. Please contact your service provider for details.*

One-touch dialing

This feature allows you to make phone calls quickly and easily with the touch of a button.

You must store names and numbers in your phone book (*see page 50*) before you can use this feature. Then you can assign a name from the phone book to a one-touch dial location using your phone's keys 2 through 8.

Note: Keys 1 and 9 are used exclusively for dialing your voice mailbox (see page 71) and for attempting emergency calls (see page 83) to the emergency number programmed into your phone (e.g. 911 or other official emergency number). The 2 key is for dialing a customer care operator (see page 32), which can be overwritten if you prefer.

Assigning one-touch dial locations

1. Press **Names,** scroll to **1-touch dialing** and press **Select**
2. Scroll to next available empty location, **(empty)** will appear, then press **Assign**
3. Scroll to select desired name and press **Select**
4. Repeat as necessary

Calling a number using one-touch dialing

Note: The 2 key is for dialing a customer care operator, which can be overwritten if you prefer.

Press and hold the key (2 through 8) for a few seconds to call the number in the corresponding one-touch dial location.

Note: If you press and hold 1, your phone calls your voice mailbox. If you press and hold 9, and Emergency key 9 (Menu 4 1) is **ON***, your phone attempts a call to the emergency number programmed into your phone (e.g. 911 or other official emergency number).*

Changing numbers in one-touch dial list

With this feature, you can assign a different number to any one-touch dial location.

1. Press **Names,** scroll to **1-touch dialing** and press **Select**
2. Scroll to the location you wish to change and press **Options**
3. Scroll to **Change**, then press **Select**
4. Scroll through phone book to select new number and press **Select**

Erasing one-touch dial locations

1. Press **Names,** scroll to **1-touch dialing** and press **Select**
2. Scroll to the location you wish to erase and press **Options**
3. Scroll to **Erase**, press **Select**, then press **OK** at **Erase?**

Outbox

This is where all outgoing messages are stored.

See "Text messages and pages" on page 65 for more details.

Paging

You can receive pages with your phone.

See "Text messages and pages" on page 65.

Phone book

You can store up to 199 numbers and associated names in your phone's memory. These numbers are right at your fingertips for easy dialing.

Things to know about the phone book

Stored numbers may be up to 32 digits long.

Stored names may be up to 16 characters long.

You can not store identical names into your phone (i.e., John, John); make sure that like names are somewhat different in the phone book (i.e., John, Johnny).

Replace? followed by the currently stored name displays when storing a name already in memory.

Accessing the phone book

Press **Names**, scroll to desired submenu and press **Select**.

About the submenus

The phone book has several submenus from which you can choose.

Search allows you to search for a specific name.

Add new allows you to enter new names and numbers.

Options lets you choose your scrolling view, as well as to show memory status.

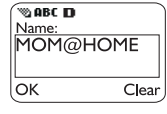
1-touch dialing allows you to assign up to seven one-touch dial locations (*see page 47 for details)*.

Caller groups allows you to rename or change the ringing tone for a caller group *(see"Caller groups" on page 25)*.

Erase all lets you erase every name and number in your phone book. You can erase one name and number at a time by pressing **Details**, then **Options** when viewing a name already in the directory.

Storing a name and number

1. Press **Names**
2. Scroll to **Add new** and press **Select**
3. Enter name using the keypad (use # to switch between upper and lower case) and press **OK**



4. Enter phone number and press **OK**

Also, see "Entering letters and numbers" on page 35 and "Quick save" on page 64.

Changing a number stored with a name

1. Recall stored name, then press **Details** to view number
2. Press **Options**, scroll to **Edit** and press **Select**
3. Press **OK** while name is displayed, unless you wish to change it. If so, press and hold **Clear**, re-enter name and press **OK**
4. Press and hold **Clear** to erase number or use the ▼ and ▲ keys to edit
5. Enter new number
6. Press **OK** to save new number

Recalling names & numbers

At the start screen, press ▼ or ▲ to view names in directory. Then scroll to the person you wish to call and press (TALK) to dial the number (phone will display number dialed to confirm).

Recalling numbers by name

At the start screen, press **Names**. Then press the number on the keypad with the corresponding first letter of the name you wish to call.

You can also recall numbers by name by pressing **Names**, then press **Select** at **Search**. Enter the name of the person you wish to recall and press **OK**.

Erasing stored names and numbers

1. Recall stored name
2. Press **Details**
3. Press **Options**
4. Highlight **Erase**, then press **Select**, then **OK**

Note: You can not undo Erase functions, so be careful!

Erasing your entire phone book

1. Press **Names**
2. Scroll to **Erase all** and press **Select**
3. Press **OK** at **Are you sure?**
4. Enter security code at **Security code:** and press **OK**

Warning: This feature will erase your entire phone book, which can not be undone!

Phone lock

When you turn this on, your phone will lock after you switch your phone off and back on. Then, each time you turn your phone on, it will prompt you for a lock code when you press either **Names** or **Menu**.

When the phone lock is on, you can not access most of your phone's memory and menu features, or make phone calls without entering the lock code.

Turning on phone lock

Press **Menu** 4 3 2 1 (**Settings** - **Security settings** - **Access codes** - **Phone lock**). Enter the lock code then press **OK**. Then scroll to **On**, and press **OK** again.

When your phone is locked, calls may be possible to the emergency number programmed into your phone (e.g. 911 or other official emergency number) including calls with Emergency key 9 (*page 35*).

You can also store a number in the **Unlocked phone number location**, which allows you to call this number even though your phone is locked *(see page 70 for details)*.

Answering a call with phone lock on

Press any key except (END) and (PWR)

Turning off phone lock

Press **Menu** 4 3 2 1 (**Settings** - **Security settings** - **Access codes** - **Phone lock**). Enter lock code and press **OK**. Then scroll to **Off** and press **OK** again.

With phone lock off, you can now use your phone without entering the lock code each time you turn your phone on.

Phone settings

Phone settings allow you access to other phone features such as an alarm clock and your phone's language.

Using phone settings

Press **Menu** 4 2 (**Settings** - **Phone settings**), then scroll to one of the following options, then press **Select**:

4-2-1 **Clock** - *See page 30*.

4-2-2 **Alarm clock** - *See page 16*.

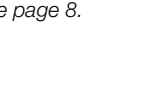
4-2-3 **Touch tones** - *See page 69*.

4-2-4 **Restore factory settings** - *See page 56*.

4-2-5 **Language** - *See page 41*.

4-2-6 **Keypad cover setting** - *See page 8*.

Profiles



Now you can adjust and customize your phone to whatever environments you find yourself in (i.e. meetings, a movie, etc.). With Profiles, you can control your phone's ringing volume, ringing tone, message alert, keypad tones, warning tones, etc., in a matter of seconds.

Note: Restore factory settings (see page 56) will reset any changes made in Profiles back to the factory defaults. The default setting is **Normal**.

Accessing Profiles

Press **Menu** 3

Selecting different Profiles

If you want to change your phone's Profile, quickly press the PWR key. Quickly press PWR again to scroll through each choice, then press and hold the PWR key for a second to select that Profile.

You can also scroll through the list of Profiles with a quick press of the PWR key. Then press ▼ or ▲ to choose another Profile and press **OK**.

Either way, this only allows you to select other Profiles; you can not customize them here. Keep reading to learn how to customize a Profile.

Customizing Profiles

Press **Menu** 3 (**Profiles**) and scroll to desired Profile, then press **Options**.

Once **Options** is selected, **Select**, **Customize** and **Rename** will appear as your choices. Once you have selected one of these items, press **OK**. If you wish to go back to the main menu, press **Back**.

Select activates the currently highlighted Profile.

Customize allows you to customize a Profile by changing the current settings.

Rename allows you to rename the Profile.

When you select **Customize**, press **OK** and you'll have access to several lists and sub-menus that will enable you to adjust the settings on the current Profile.

Note: **Car** *and* **Headset** *will not appear in the Profiles list unless your phone is connected to a car kit or a headset. However, they will remain in the menu once connected for the first time.*

Note: When you change a setting in the current Profile, it only affects that Profile and will not change your phone's normal settings.

Renaming Profiles

1. Press **Menu** 3 (**Profiles**)
2. Scroll to desired Profile and press **Options**

3. Scroll to **Rename** and press **OK**
4. Enter new name and press **OK** again

Note: Some profiles can not be renamed.

Public system selection

Note: This feature will not appear in your phone until needed. Please contact your service provider for details.

In each service area there are usually two service providers. The service provider you sign up with, also known as your home system, is of type A or B. Systems that are of the same type as your home system are called “home-type” systems; systems that are of the opposite type as your home system are called “non-home-type” systems.

Public system selection allows your phone to search for other available systems when service is not available in your home system.

You can also request the order in which your phone looks for available systems.

Note: Using **Home only** *or* **Any system** *is usually the most economical choice.*

1. Press **Menu** 4 4 8 (**Settings** - **Network service** - **Public system selection**).
2. Scroll to one of the following choices:

   Any system The phone searches for service in a home-type system and if service is not found it will then search for a non-home type system.

   Home type The phone searches for a service in a home-type system only.

   Nonhome type The phone searches for a service in a non-home type system only (doesn’t find a home system since it doesn’t search for a home-type system).

   Home only Your phone uses its home system only (that is, it will not roam).
3. Press **OK**.

Received calls

This shows you the phone numbers of the 10 most recent calls you've answered.

Press **Menu** 2 3 (**Call log** - **Received calls**), then scroll through the numbers.

Also, see "Call log" on page 22 for details on other call lists.

The 'Options' soft key

See "The 'Options' soft key" on page 23.

Restore factory settings

You can reset the settings of many of your phone's features to factory defaults (as in a new telephone).

Restoring factory settings

Press **Menu** 4 2 4 (**Settings** - **Phone settings** - **Restore factory settings**), enter security code and press **OK**.

Note: The memory, timers, language selection and security code are not reset. However, any Profiles you have modified will reset when you restore your settings.

Renaming profiles

See "Profiles" on page 53.

Restrict calls

This feature allows you to restrict incoming and outgoing calls. Outgoing calls are restricted from a list of restrictions that you create yourself.

Restrict outgoing calls

If no restrictions have been defined in your phone, you will notice only one option:

Add restriction allows you to create your own list of outgoing call restrictions. The maximum number of call restriction groups you can define is 10.

Once you have entered **Add restriction** and have added at least one restriction, the following options will be added:

Select allows you to select call restrictions from the outgoing calls list.

Edit allows you to edit an existing outgoing call restriction.

Erase will erase any existing outgoing call restrictions.

Note: When calls are restricted, calls may be possible to the emergency number programmed into your phone (e.g. 911 or other official emergency numbers). However, Emergency key 9 may not operate depending on the type of restriction you choose.

Adding call restrictions

1. Press **Menu** 4 3 1 (**Settings** - **Security settings** - **Restrict calls**)
2. Scroll to **Restrict outgoing calls** and press **Select**
3. Enter the security code and press **OK**
4. Scroll to **Add restriction** to create an outgoing call restriction and press **OK**
5. Enter the number string you wish to restrict and press **OK**. For example:

   If you wish to restrict all calls that begin with 1, enter 1 (this will restrict all long distance calls)

   If you wish to restrict all calls that begin with 1972, enter 1972

   If you wish to restrict all calls that begin with 214, enter 214
6. If you wish to enter a name for the call restriction, enter the name using your phone's keypad, then press **OK**

Restrict incoming calls

1. Press **Menu** 4 3 1 (**Settings** - **Security settings** - **Restrict calls**)

2. Scroll to **Restrict incoming calls** and press **Select**
3. Enter security code, then press **OK**.
4. Scroll to **All calls** and press **Mark** (or press **Unmark** if you wish to remove the restriction)
5. Press **Back** and then press **Yes** at **Save changes?**

Selecting call restrictions

1. Press **Menu** 4-3-1 (**Settings** - **Security settings** - **Restrict calls**)
2. Scroll to **Restrict outgoing calls** and press **Select**
3. Enter the security code and press **OK**
4. Scroll to **Select** and press **OK**
5. Scroll to each restriction you wish to use and press **Mark**; press **Unmark** to deactivate existing restrictions
6. Press **Back** and then press **Yes** at **Save changes?**

Editing call restrictions

1. Press **Menu** 4-3-1 (**Settings** - **Security settings** - **Restrict calls**)
2. Scroll to **Restrict outgoing calls** and press **Select**
3. Enter the security code and press **OK**
4. Scroll to **Edit** and press **OK**
5. Scroll to the restriction you wish to edit, press **OK**
   Note: If no name has been entered for a restriction, the restricted number will be displayed
6. Press and hold **Clear** to erase entire number, then enter the new characters. Or use ▼ or ▲ to move the cursor to the desired location and delete a character or insert additional characters. Press **OK** when finished.
7. Edit name if desired using same procedure as above

Erasing call restrictions

1. Press **Menu** 4-3-1 (**Settings** - **Security settings** - **Restrict calls**)

2. Scroll to **Restrict outgoing calls** and press **Select**
3. Enter the security code and press **OK**
4. Scroll to Erase and press **OK**
5. Scroll to the restriction you wish to erase, press **OK**
6. Press **OK** again to erase restriction

Ringing options

This is one of the settings in your phone's Profiles *(see page 53)*. You can choose how your phone notifies you of an incoming call. This setting does not affect incoming text message alert tones *(see page 65)*.

Selecting ringing options

1. Press **Menu** 3 (**Profiles**)
2. Your phone lists each profile. Use ▼ to highlight the one you want to set the ringing options for and press **Options**.
3. Highlight **Customize** and press **OK**. Press ▼ to **Ringing options**, then press **Select**.
4. Highlight either **Ring**, **Ascending**, **Ring once**, **Beep once**, **Caller groups**, or **Silent** and press **OK**

Caller groups sets the phone to **Silent** except for calls from people in selected caller groups *(see "Caller groups" on page 25)*.

Press ▼ or ▲ to highlight the desired caller group(s), then press **Mark** to select or **Unmark** to de-select them.

Ringing tones

This is one of the settings in your phone's Profiles (*see page 53*). It sets the ringing tone for incoming voice calls.

If you set **Ringing Options** *(see page 59)* to **Silent** or **Beep once**, ringing tones are automatically off.

Selecting ringing tones

1. Press **Menu** 3 (**Profiles**)

2. Your phone lists each profile. Use ▼ to highlight the one you want to set the ringing tones for and press **Options**.
3. Highlight **Customize** and press **OK**. Press ▼ to **Ringing tones**, then press **Select**.
4. Scroll through the options. After you hear the tone you wish to use, press **OK**.

Ringing volume

This is one of the settings in your phone's Profiles *(see page 53)*. It sets the default ringing volume for incoming voice calls, message alert tones and the alarm.

Setting the ringing volume

1. Press **Menu** 3 (**Profiles**)
2. Your phone lists each profile. Use ▼ to highlight the one you want to set the ringing volume for and press **Options**.
3. Highlight **Customize** and press **OK**. Press ▼ to **Ringing volume**, then press **Select**.
4. Scroll through the options. When you hear the volume level you wish to use, press **OK**.

Note: The ringing volume setting is stored individually for the handsfree car kit and the headset.

Roaming

This is a term used to indicate that your phone is not in its home area. Calls made or received while roaming are usually more expensive than calls made in your home area.

When roaming in some systems outside your home area, your phone may not be recognized by the host system (the one you're travelling in) and you may not be able to place a call.

Contact your service provider for more specific information on how roaming works with your phone, as well as any information on coverage limitations.

Roaming Indicators

When your phone begins roaming, it will beep once and display **ROAM** or **EXTENDED AREA**, depending on how roaming works with your phone. Contact your service provider for more details. If your phone is not roaming (i.e. in its home area) it will either display **HOME** or the name of the service provider.

Saved

This is where saved text messages are stored.

See "Text messages and pages" on page 65 for details.

Scrolling view

There are three different options on how you can view the phone book. Your choices are:

Name list shows all stored names in a scrolling list. Three names will appear at any given time. To view other names in the directory, scroll back and forth through the list using ▼ or ▲. **Name list** is the default setting.

Name+number displays individual names and numbers stored in your directory. Only one name will display on your screen at a time, with the corresponding phone number. Use ▼ or ▲ to view other names.

Name only shows individual names only. To view other names, use ▼ or ▲. You can view the corresponding phone number by pressing **Details**, then ▼ or ▲.

Selecting your scrolling view

1. Press **Names**
2. Scroll to **Options**, then press **Select**
3. Press **Select** at **Scrolling view**
4. Press ▼ or ▲ to select either **Name list**, **Name+number**, or **Name only**, then press **OK**

Security settings

This menu includes the following security features:

4-3-1 **Restrict calls** - *See page 56*.

4-3-2 **Access codes** - *See page 16*.

The **Access codes** submenu includes **Phone lock** *(page 52)*, **Unlocked phone number** *(page 70)*, **Change lock code** *(page 43)*, and **Change security code** *(page 62)*.

Security code

Your phone will prompt you for a security code for certain features. These features can be used only after the correct security code has been successfully entered.

*Note: When entering your security code, ***** will appear on the display to keep others from viewing your code.*

If you make a mistake entering the code, erase the last digit entered by pressing **Clear**, or press and hold **Clear**. Then enter the correct code or press **Back** to exit the current feature.

If you enter an incorrect security code (**Code error** will appear) five times in a row, your phone won't accept any entries for the next five minutes.

Your phone's default security code is 12345. It's highly recommended that you change this code at once, write it down, and store it in a safe place away from your phone.

Changing your security code

1. Press **Menu** 4 3 2 4 (**Settings** - **Security settings** - **Access codes** - **Change security code**)
2. Enter security code and press **OK**
3. Enter new security code at **Enter new security code:**, press **OK**
4. Enter new security code again at **Verify new security code:**, press **OK**
5. Phone will display **Security code changed**

Note: If you have changed your security code and don't remember the new code, contact your service provider. Once you have changed your security code, the default setting is no longer valid.

Send own number

In most service areas, when you call someone your name will be presented to his/her caller ID (if they subscribe). This feature allows you to block their caller ID (i.e. your number will not be presented) when you call them. This feature works on a per-call basis. Contact your service provider for more details.

Note: Before you can deactivate this feature, you must first store the feature code given to you by your service provider. Otherwise, this feature may not appear in the menu. See "Network feature setting" on page 46 for more details.

Note: This feature is only effective when calling to a number that is equipped with Caller ID.

1. Press **Menu** 4 4 4 (**Settings** - **Network services** - **Send own number**)
2. ▼ to **Yes** (to show your number) or **No** (to not show it) and press **OK**
3. Enter the number you wish to call (or press **Search** to retrieve the number from the phone book and press **OK**), then press **OK**
4. Your phone will attempt to call this number with the feature code you stored in Menu 4 4 5 *(see "Network feature setting" on page 46)*

Settings

This main menu allows you access to other features. See these individual entries for more information.

4-1 **Call settings** - *See page 23*.

4-2 **Phone settings** - *See page 53*.

4-3 **Security settings** - *See page 62*.

4-4 **Network services** - *See page 47*.

Storing a name & number

You can save names and numbers in the Phone book. Either use the method described in *"Storing a name and number" on page 50* or the "quick save" method described below.

Quick save

Enter the phone number and press **Save**. Enter a name at **Name:** if you wish (optional), then press **OK**.

Also, see "Entering letters and numbers" on page 35.

System

Your phone is capable of working in Residential, Private, and Public Systems (such as your Home System). You can choose how your phone selects a network to use.

This feature is **Menu** 5 in your phone. The default is **Automatic**, which means your phone automatically searches for networks available to you and chooses the appropriate one. Every time you switch on your phone, it resets this to **Automatic**.

If you choose **Manual**, your phone searches for networks, then begins displaying them. Your phone displays **AVAILABLE:** or **NOT AVAILABLE:** for the systems it finds (You can not use **NOT AVAILABLE:** systems). Use the ▼ key to scroll through the choices, and press **OK** when you see the one you want.

If you choose **New Search**, your phone begins a new search for new Private and Residential systems. When it finds the best new system, it displays it. You can then **Select it**, or start another search by pressing **Next**.

Note: If you have two phone numbers (two NAMs), the **Manual** *and* **New search** *features are only used with your primary phone number (NAM 1). See "NAM selection" on page 45 for more information concerning NAMs.*

To switch from private to public

If you are in a private system and want access to a public system, press and hold **Menu** when you are not in a call. Your phone will display **Search public systems?**, press **OK** and your phone will use the public system for the next (only once) outgoing call. After that it goes back to **Automatic system selection**.

Text messages and pages

Before you can send or receive text messages and pages, you must subscribe to the text messaging network service.

Some or all of these features may not be available in some wireless systems. Please see your service provider for details and availability.

Note: Text messages that you receive with your phone may appear different at times, due to messages that originate in networks other than your own.

Also, the maximum length of a text message may depend on the network's capabilities.

Text message options

When you access **Text messages**, you will view a screen with five different options.

Inbox is where incoming messages are received and stored. All new, unread messages are kept here.

Write new allows you to write text messages.

Outbox is where outgoing messages are stored.

Saved is where all saved, read messages are kept.

Erase all allows you to erase all text messages. However, unread text messages will not be erased. **Erase all** can be found quickly when you access Text messages by pressing ▲.

Writing text messages

Note: Writing and sending text messages may not be available in all wireless systems. Please contact your service provider for details.

Sending text messages

1. Press **Menu 1 1**
2. Scroll to **Write New** and press **Select**
3. Write your message using the keypad and press **Options**
4. To send the text message, press **OK** with **Send** highlighted
5. Enter the phone number (or press **Search** to locate in the phone book), then press **Send**

Sending options

If you press **Options** when sending a text message, you'll find the following choices:

Send sends the message

Settings allows you to mark your messages (see below)

Save will save your message to the Saved folder.

Clear screen will clear the message screen.

Message settings

Urgent will notify recipient that your message is important. When you receive an **Urgent** message, the message will be marked with an exclamation point (**!**) in front of it.

Read receipt notifies you that the recipient has opened your message.

Callback no. will place your phone number within the message. This is the default setting and it is set to on.

Receiving text messages

Your phone has space for up to 30 text messages, depending on the length of each message.

When you receive a text message

Text messages are shown in the order that they were received, in their order of priority.

Message received indicates an unread message or page. If more than one message is received, the number of received messages will be listed first.

New emergency message indicates that the message or page received was sent by someone via the service provider. Emergency messages are sent only in situations where life and/or property are in immediate danger. Emergency messages are listed first and will override all other messages.

Urgent messages are also high priority messages.

Reading text messages

With **Message received** displayed, press **Read** and scroll to new message, then press **Read** again

Reading options

Press **Options** while a text message is displayed to access the following reading options:

Read next allows you to read the next message.

Erase will erase the message.

Save will save the message to the **Saved** folder.

Call back will automatically call whoever sent the message if any phone numbers are included within the message.

Forward allows you to forward the message to someone else.

Reply allows you to reply to the received message.

Calling someone back in a message

Press (TALK) while the message is displayed to dial the number quickly.

Or, with the message and the phone number displayed on your phone's screen, you can press **Options**, scroll and select **Call back**, then press **OK**.

Note: If more than one number is on the display, the numbers are displayed in a list. Simply select the phone number you want to call and press (TALK). If no numbers are found, your phone will display **No number found** *on this screen*

Forwarding a message

Note: This feature is only available if your phone has been activated in a wireless system that supports the sending of text messages.

With the message displayed, press **Options**, scroll to **Forward** and press **OK**. Then send the message as you normally would.

Replying to a message

Note: This feature is only available if your phone has been activated in a wireless system that supports the sending of text messages.

With the message displayed, press **Options**, scroll to **Reply** and press **OK**. Then write your reply and send the message as you normally would.

If a phone number appears in the message you received, it's used as the default for the reply you're sending. This can be replaced by another number, if you wish.

Receiving a page

Your phone displays **Message received**. The message reads **Call:**, followed by the name or number of the person who paged you. Names will appear only if that person has been stored in the phone book.

When your phone's memory is full

One or more messages, of lowest priority, will automatically be deleted in order to receive new text messages when your phone's memory is full.

If the message memory is still full, your phone will display **No space: message waiting**. You can clear this notification by pressing **OK**.

Note: Messages are usually deleted from your **Inbox**. *An incoming emergency message may delete messages from your* **Saved** *folder.*

Touch tones

Your phone can generate various sounds, called touch tones, when the keys are pressed. These are also known as DTMF tones.

Touch tones can be used for many automated, over-the-phone services such as checking bank balances, airline arrival and departure times, and using voice mailbox options. Touch tones can be sent only when a call is active.

Storing touch tone strings

Touch tone strings can be used for sending and receiving information with your phone. For example, you can store your office voice mailbox number, along with your password for easy access to your messages.

Store touch tone strings the same way you store phone numbers (*see page 50*).

You can store a whole digit sequence in your phone book and send it as touch tones for frequently-used strings of numbers.

Sending a touch tone string

Make sure Menu 4 2 3 1 (**Settings** - **Phone settings** - **Touch tones** - **Manual touch tones**) is not set to **Off**.

1. During a call, press **Options**
2. Scroll to **Touch tones** and press **OK**
3. Enter touch tone string or recall string from the phone book and press **OK**

Note: Use caution when sending confidential information over the air when using DTMF tones in analog mode.

Storing touch tone strings with phone numbers

1. Enter the phone number (e.g. your office voice mailbox)
2. Press *** (p) or **** (w)
3. Enter the touch tone string (e.g. voice mailbox password)
4. Store the number as you normally would

Note: See "Special characters (for storing numbers)" on page 37 for details on "p" and "w" characters.

When you dial this number, your phone first dials the phone number, then waits (because of the "w" character) for you to press **Send**. Your phone then sends your password.

If you include a "p" character instead of a "w", your phone pauses for 2.5 seconds, then automatically sends your password as touch tones.

Touch tone length

This feature determines the length of each touch tone when they are sent automatically.

Short sets the tone length to .1 second. **Long** sets the tone length to .5 second.

You can set the touch tone length by pressing **Menu** 4 2 3 2 (**Settings** - **Phone settings** - **Touch tones** - **Touch tone length**).

Unlocked phone number

When the phone lock is on *(see page 52)*, no calls can be made. However, you can store one number into your phone that can be called when it's locked.

Storing the unlocked phone number

1. Press **Menu** 4 3 2 2 (**Settings** - **Security settings** - **Access codes** - **Unlocked phone number**)
2. Enter lock code and press **OK**
3. Enter phone number at **Number:** (or press **Search** and scroll through the phone book)
4. Press **OK**

Calling the unlocked phone number

Note: Your phone must be locked to use this feature.

Press ▼ or ▲ once, then (TALK) or you can manually enter the phone number as it is stored and press (TALK).

Vibrating alert

This is one of the settings in your phone's Profiles *(see page 53)*. When your phone has the vibrating battery attached, you can set your phone to vibrate when you receive a voice call.

Note: This setting will not appear in your phone unless a vibrating battery has been attached.

Activating vibrating alert

1. Press **Menu** 3 (**Profiles**)
2. Your phone lists each Profile. Use ▼ to highlight the one you want to set the vibrating alert for and press **Options**.
3. Highlight **Customize** and press **OK**. Press ▼ to reach **Vibrating alert**, then press **Select** again.
4. Use ▼ to highlight **On** or **Off** and press **OK**. If you choose **On**, your phone will vibrate even if you have set **Ringing options** *(see page 59)* to **Silent**.

Note: The vibrating alert does not work when your phone is connected to any charger or car kit.

Voice mailbox number

This number dials your voice mailbox.

See "Voice messages" in next section.

Voice messages

Voice mail is a network service that may require a subscription from your service provider.

Your phone will notify you when you receive a voice message. **New voice message** will appear on the display along with the icon, and you'll hear a short beep. Your phone will display the number of voice messages if you've received more than one.

Storing your voice mailbox number

Before you can retrieve any voice messages, you need to store your voice mailbox number. Your service provider usually gives this number to you.

When you're ready to store your voice mailbox number, press **Menu** 1 2 2 (**Messages – Voice messages – Voice mailbox number**). Then enter your voice mailbox phone number and press **OK**. This number can be up to 32 digits long and is used until it's changed. So if your phone number changes, you may need to change your voice mailbox number along with it.

Greetings, passwords, and prompts

These may vary in different wireless systems. So if you need information about how to record your greeting or how to store your password, contact your service provider. You'll also need to contact them on how to listen to voice messages once you're connected to your voice mailbox.

Listening to your voice messages

If **New voice message** is displayed, just press **Listen** and follow the prompts. If you'd rather listen to your messages later, press **Exit**.

You can listen to messages anytime if you press and hold the 1 key; **Calling voice mailbox** will appear on the display. Or if you prefer, you can access your voice mailbox by pressing **Menu** 1 2 1 (**Messages – Voice messages – Listen to voice messages**).

Voice privacy

Note: This feature may not be available in all areas. Please see your service provider for details and availability.

Used only in digital networks, voice privacy encrypts the voice channel so that people can not eavesdrop on your conversation.

Voice privacy will become active only during a call and will notify you with a beep. **Voice privacy** active will also appear on the display.

If you turn this feature on and voice privacy becomes inactive for any reason, your phone displays **Voice privacy not active** and beeps.

You may set this to **On** or **Off** by pressing **Menu** 4 4 1 (**Settings** - **Network services** - **Voice privacy**).

Volume

You can adjust the ringing volume and earpiece volume of your phone.

See "Earpiece volume" on page 34 and "Ringing volume" on page 60.

Warning and game tones

This is one of the settings in your phone's Profiles (*see page 53*). Warning tones include tones your phone makes for conditions such as errors, confirmations, power on, battery low, recharge battery and games. You can set warning and game tones on or off.

Turning warning and game tones on and off

1. Press **Menu** 3 (**Profiles**)
2. Your phone lists each Profile. Use ▼ to highlight the one you want to set the warning and game tones for and press **Options**.
3. Highlight **Customize** and press **OK**. Press ▼ to **Warning and game tones**, then press **Select**.
4. Scroll to **On** or **Off** and press **OK**

Welcome note

You can program a welcome note into your phone to display a message when you first turn it on (i.e. hello, your name, a reminder, etc.). The maximum length is 36 characters.

1. Press **Menu** 1 3 (**Messages** - **Welcome note**)
2. Enter new message or edit an existing one, then press **Options**
3. Press ▼ to **Save or Erase** and press **OK**

The welcome note displays each time your phone is switched on. Characters you enter are added to the left of the cursor. Press **Clear** to delete characters to the left of the cursor. Press ▼ or ▲ to move the cursor right or left.

See "Entering letters and numbers" on page 35 for details.

Write new

This feature allows you to write text messages with your phone.

See "Text messages and pages" on page 65 for more details.

6. Accessories

If you want to enhance your phone's functionality, an extensive range of accessories is available for you. You can select any of these items to help accommodate your specific communication needs. For availability of these and other accessories, contact your service provider.

A few practical rules for accessory operation:

Keep all accessories out of reach of small children.

When you disconnect the power cord of any accessory, grasp and pull the plug, not the cord.

Check regularly that any vehicle-installed accessories are mounted and are operating properly.

Installation of any complex car accessories must be made by qualified personnel only.

Use only batteries, chargers and accessories approved by the phone manufacturer for use with this particular phone model. The use of any other types may invalidate any approval or warranty applying to the phone, and may be dangerous.

See page 6 for important battery usage information.

Batteries

The following table shows battery options that are available for your phone, charging times with the Rapid Travel Charger (ACP-9U) and the Standard Travel Charger (ACP-7U), talk times, and standby times. Consult your service provider for more information.

Charging Times

Battery Option	ACP-7U Charger	ACP-9U Charger
BPS-1 Ultra Slim Li-Polymer Battery 600 mAh	2 hrs 30 min	1 hr 20 min
BLS-2N Extended Li-Ion Battery 900 mAh	4 hrs	2 hrs
BMS-2/BMS-2S Extended NiMH Battery 900 mAh	4 hrs	1 hr 30 min
BMS-2V Vibrating NiMH Battery 900 mAh	4 hrs	1 hr 30 min
BLS-4 Extended Li-Ion Battery 1500 mAh	5-6 hrs	3 hrs 30 min

Note: The times displayed above are approximate and will allow your battery to obtain approximately 80% of its capacity. At this time, the battery scroll bars on your phone's display will stop scrolling. If you wish to obtain 100% battery capacity, please allow another two hours to "trickle" or "maintenance" charge.

Standby and Talk Times

Battery Option	Digital Talk Time	Analog Talk Time	Standby Time
BPS-1 Ultra Slim Li-Polymer Battery 600 mAh	1 hr 20 min to 2 hrs 10 min	40 min to 1 hr 15 min	66 to 133 hrs (dig) 20 to 33 hrs (ana)
BLS-2N Extended Li-Ion Battery 900 mAh	2 hrs to 3 hrs15 min	1 hr to 1 hr 50 min	100 to 200 hrs (dig) 30 to 50 hrs (ana)
BMS-2/BMS-2S Extended NiMH Battery 900 mAh	2 hrs to 3 hrs 15 min	1 hr to 1 hr 50 min	100 to 200 hrs (dig) 30 to 50 hrs (ana)
BMS-2V Vibrating NiMH Battery 900 mAh	2 hrs to 3 hrs 15 min	1 hr to 1 hr 50 min	100 to 200 hrs (dig) 30 to 50 hrs (ana)
BLS-4 Extended Li-Ion Battery 1500 mAh	3 hrs 10 min to 5 hrs 10 min	1 hr 35 min to 2 hrs 50 min	170 to 335 hrs (dig) 50 to 83 hrs (ana)

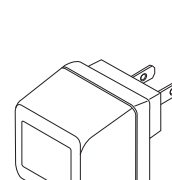
Note: The times shown are approximate. Battery operation times vary according to signal conditions, network parameters set by the service provider, and how you use your phone.

Chargers & Other Accessories

The following chargers and other accessories are available for your phone; please see your dealer for details. Also, refer to the accessories brochure that was included in your sales package for the entire line of Nokia Original Accessories.

Note: When a charger is not in use, disconnect it from the power source. Do not leave the battery connected to a charger for longer than a week, since overcharging may shorten its life. If left unused, a fully charged battery will discharge itself over time.

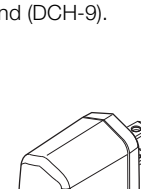
Standard Travel Charger (ACP-7U)



This lightweight (187g) and durable AC charger can be used with all battery options.

To use the Standard Travel Charger, plug it into a wall outlet and connect the lead from the charger to the base of your phone. The charger can also be used together with the Compact Desktop Charging Stand (DCH-9).

Rapid Travel Charger (ACP-9U)

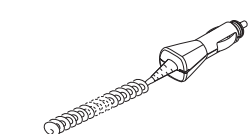


This lightweight (100g) AC charger can be used with all battery options. Calls can be made during charging, even with a fully discharged battery.

To use the Rapid Travel Charger (ACP-9U), plug it into a standard 120V AC wall outlet, and connect the lead from the charger to the base of your phone.

The charger can also be used together with the optional Compact Desktop Charging Stand (DCH-9). Approximate charging times for discharged batteries are shown at the beginning of this section.

Rapid Mobile Charger (LCH-8)

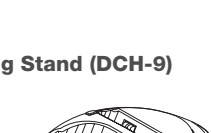


You can charge your phone's battery from your vehicle battery by using the Rapid Mobile Charger (LCH-8). You can also use this lightweight charger with the Compact Desktop Charging Stand (DCH-9).

Calls are possible during charging. A green light indicates the charger is ready for charging (when not charging) or finished charging (if it has been charging). The battery charging times are the same as those for the Rapid Travel Charger (ACP-9U)

The input voltage range is from 11 to 32V DC, negative grounding. Avoid prolonged charging with the Rapid Mobile Charger (LCH-8) when the car engine is not running; this may cause the battery of your car to drain. Note also that in some cars the cigarette lighter plug is not provided with electricity if the ignition is not switched on.

Compact Desktop Charging Stand (DCH-9)



Used together with the Standard Travel Charger (ACP-7U) or the Rapid Travel Charger (ACP-9U), the Compact Desktop Charging Stand (DCH-9) is an economical choice when you need your phone close at hand, always ready for calls.

This charging stand allows you to charge your phone's battery in the front charging slot, plus a spare battery in the rear charging slot.

When charging both batteries simultaneously, charging will begin in the front charging slot and then move to the rear slot once the front battery is 100% charged.

Please refer to the chart below for charging times in the rear charging slot.

DCH-9 Rear Slot Charging Times				
Battery Option	Using ACP-7U		Using ACP-9U	
	When front slot empty	When front occupied	When front slot empty	When front occupied
BPS-1 Ultra Slim Li-Polymer Battery 600 mAh	4 hrs 30 min	6 hrs 30 min	3 hrs	4 hrs 30 min
BLS-2N Extended Li-Ion 900 mAh	6 hrs 30 min	8 hrs 30 min	4 hrs 10 min	5 hrs 25 min
BMS-2/BMS-2S Extended NiMH 900 mAh				
BMS-2V Vibrating NiMH 900 mAh				
BLS-4 Ultra Extended Li-Ion 1500 mAh	12 hrs	15 hrs 40 min	8 hrs	10 hrs 30 min

Note: Please note that if you are charging a battery in the rear charging slot while another battery occupies the front slot, please allow an additional two hours for a "maintenance" charge for the battery in the front slot. Please see page 76 for charging times for the front charging slot.

If you're charging a battery in the front charging slot, charging is indicated by the scrolling battery bars on the right side of your phone's display. When the scrolling stops, the battery is approximately 80% charged. A battery will be fully charged a couple of hours after the scrolling stops.

Also, you may notice a light indicator on the stand, which is used for charging a spare battery. A green light indicates a battery is at least 80% full; the red light indicates a battery is charging.

7. Troubleshooting

What if charging fails?

If **Not charging** is displayed, charging is suspended. Make sure the battery is connected to an approved charging device and that the battery is at room temperature. Extreme temperatures, hot or cold, can affect your battery's performance and prevent charging.

If charging still fails, disconnect the charger from your phone. Then reconnect the charger to your phone and retry. If you still experience charging problems, contact your dealer and, if necessary, bring your phone in to have it serviced. Also remember to bring in your battery and charger.

No service

If you're outside the wireless service area, **No service** will display on your phone. No calls can be made or received, however, emergency 911 calls may still be possible.

What if the call doesn't go through?

Your phone can make and receive calls only when it's switched on and in the wireless network's service area. **No service** means that you're probably outside the wireless service area. No calls can be made or received. *See "Get a good signal" on page 7.*

Check call restrictions means calls to the phone number you tried to call are restricted (*see "Restrict calls" on page 56*), or your phone is locked (*see "Phone lock" on page 52*).

Note: Check with your service provider for information about when you need to dial a '1' and/or an area code in addition to the number.

If you make a mistake dialing

Press **Clear** to delete the last character entered, or press and hold **Clear** to delete all characters entered.

8. Reference Information

Important Safety Information

Traffic Safety

Do not use a hand-held telephone while driving a vehicle. If using a hand-held phone park the vehicle before conversing.

Always secure the phone in its holder; do not place the phone on the passenger seat or where it can break loose in a collision or sudden stop.

The use of an alert device to operate a vehicle's lights or horn on public roads is not permitted.

Remember, road safety always comes first!

Operating Environment

Remember to follow any special regulations in force in any area and always switch off your phone whenever it is forbidden to use it, or when it may cause interference or danger.

When connecting the phone or any accessory to another device, read its user's guide for detailed safety instructions. Do not connect incompatible products.

As with other mobile radio transmitting equipment, users are advised that for the satisfactory operation of the equipment and for the safety of personnel, it is recommended that the equipment should only be used in the normal operating position (held to your ear with the antenna pointing over your shoulder).

Electronic Devices

Most modern electronic equipment is shielded from radio frequency (RF) signals. However, certain electronic equipment may not be shielded against the RF signals from your wireless phone.

Pacemakers

Pacemaker manufacturers recommend that a minimum separation of 6 inches (20 cm.) be maintained between a handheld wireless phone and a pacemaker to avoid potential interference with the pacemaker. These recommendations are consistent with the independent research by and recommendations of Wireless Technology Research. Persons with pacemakers:

- Should always keep the phone more than 6 inches (20 cm) from their pacemaker when the phone is switched on;
- Should not carry the phone in a breast pocket;
- Should use the ear opposite the pacemaker to minimize the potential for interference.
- If you have any reason to suspect that interference is taking place, switch off your phone immediately.

Hearing Aids

Some digital wireless phones may interfere with some hearing

aids. In the event of such interference, you may want to consult your service provider.

Other Medical Devices

Operation of any radio transmitting equipment, including cellular phones, may interfere with the functionality of inadequately protected medical devices. Consult a physician or the manufacturer of the medical device to determine if they are adequately shielded from external RF energy or if you have any questions. Switch off your phone in health care facilities when any regulations posted in these areas instruct you to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF energy.

Vehicles

RF signals may affect improperly installed or inadequately shielded electronic systems in motor vehicles (e.g. electronic fuel injection systems, electronic anti-skid (anti-lock) braking systems, electronic speed control systems, air bag systems). Check with the manufacturer or its representative regarding your vehicle. You should also consult the manufacturer of any equipment that has been added to your vehicle.

Posted Facilities

Switch your phone off in any facility where posted notices so require.

Potentially Explosive Atmospheres

Switch off your phone when in any area with a potentially explosive atmosphere and obey all signs and instructions. Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Users are advised to switch off the phone while at a refueling point (service station). Users are reminded of the need to observe restrictions on the use of radio equipment in fuel depots (fuel storage and distribution areas), chemical plants or where blasting operations are in progress.

Areas with a potentially explosive atmosphere are often but not always clearly marked. They include below deck on boats; chemical transfer or storage facilities; vehicles using liquefied petroleum gas (such as propane or butane); areas where the air contains chemicals or particles, such as grain, dust or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

Vehicles

Only qualified personnel should service the phone, or install the phone in a vehicle. Faulty installation or service may be dangerous and may invalidate any warranty which may apply to the unit.

Check regularly that all wireless phone equipment in your vehicle is mounted and operating properly.

Do not store or carry flammable liquids, gases or explosive materials in the same compartment as the phone, its parts or accessories.

For vehicles equipped with an air bag, remember that an air bag inflates with great force. Do not place objects, including both installed or portable wireless equipment, in the area over the air bag or in the air bag deployment area. If in-vehicle wireless equipment is improperly installed and the air bag inflates, serious injury could result.

Switch off your phone before boarding an aircraft. The use of wireless telephones in an aircraft may be dangerous to the operation of the aircraft, disrupt the wireless telephone network and may be illegal.

Failure to observe these instructions may lead to the suspension or denial of telephone services to the offender, or legal action, or both.

Emergency Calls

IMPORTANT!

This phone, like any wireless phone, operates using radio signals, wireless and landline networks as well as user-programmed functions which can not guarantee connection in all conditions. Therefore, you should never rely solely upon any wireless phone for essential communications (e.g. medical emergencies).

Remember, to make or receive any calls the phone must be switched on and in a service area with adequate signal strength. Emergency calls may not be possible on all wireless phone networks or when certain network services and/or phone features are in use. Check with local service providers.

Making an Emergency Call

1. **If the phone is not on, switch it on**
2. **Press the (END) key to ready the phone for calls. (Press it twice if there are still digits on the display.)**
3. **Key in the emergency number for your present location (e.g. 911 or other official emergency number). Emergency numbers vary by location.**
4. **Press (TALK).**

If certain features are in use (Keyguard, restrict calls, etc.), you may first need to turn those features off before you can make an emergency call. Consult this document and your local cellular service provider.

When making an emergency call, remember to give all the necessary information as accurately as possible. Remember that your wireless phone may be the only means of communication at the scene of an accident - do not cut off the call until given permission to do so.

Radio Frequency (RF) Signals

THIS MODEL PHONE MEETS THE GOVERNMENT'S REQUIREMENTS FOR EXPOSURE TO RADIO WAVES.

Your wireless phone is a radio transmitter and receiver. It is designed and manufactured not to exceed the emission limits for exposure to radiofrequency (RF) energy set by the Federal Communications Commission of the U.S. Government. These limits are part of comprehensive guidelines and establish permitted levels of RF energy for the general population. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons, regardless of age and health.

The exposure standard for wireless mobile phones employs a unit of measurement known as the Specific Absorption Rate, or SAR. The SAR limit set by the FCC is 1.6 W/kg.* Tests for SAR are conducted using standard operating positions accepted by the FCC with the phone transmitting at its highest certified power level in all tested frequency bands. Although the SAR is determined at the highest certified power level, the actual SAR level of the phone while operating can be well below the maximum value. This is because the phone is designed to operate at multiple power levels so as to use only the power required to reach the network. In general, the closer you are to a wireless base station antenna, the lower the power output.

Before a phone model is available for sale to the public, it must be tested and certified to the FCC that it does not exceed the limit established by the government-adopted requirement for safe exposure. The tests are performed in positions and locations (e.g., at the ear) as required by the FCC for each model. The highest SAR value for this model phone when tested for use at the ear is 1.49 W/kg. While there may be differences between the SAR levels of various phones and at various positions, they all meet the government requirement.

The FCC has granted an Equipment Authorization for this model phone with all reported SAR levels evaluated as in compliance with the FCC RF exposure guidelines. SAR information on this model phone is on file with the FCC and can be found under the Display Grant section of http://www.fcc.gov/oet/fccid after searching on FCC ID LJONSW-3AF.

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*In the United States and Canada, the SAR limit for mobile phones used by the public is 1.6 watts/kg (W/kg) averaged over one gram of tissue. The standard incorporates a substantial margin of safety to give additional protection for the public and to account for any variations in measurements.

Care and Maintenance

Your phone is a product of superior design and craftsmanship and should be treated with care. The suggestions below will help you to fulfill any warranty obligations and allow you to enjoy this product for many years. When using your phone, battery, charger, OR any accessory:

- Keep it and all its parts and accessories out of small children's reach.
- Keep it dry. Precipitation, humidity and liquids contain minerals that will corrode electronic circuits.
- Do not use or store it in dusty, dirty areas as its moving parts can be damaged.
- Do not store it in hot areas. High temperatures can shorten the life of electronic devices, damage batteries, and warp or melt certain plastics.
- Do not store it in cold areas. When the phone warms up (to its normal operating temperature), moisture can form inside the phone, which may damage the phone's electronic circuit boards.
- Do not attempt to open it. Non-expert handling of the device may damage it.
- Do not drop, knock or shake it. Rough handling can break internal circuit boards.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean it. Wipe it with a soft cloth slightly dampened in a mild soap-and-water solution.
- Do not paint it. Paint can clog the device's moving parts and prevent proper operation.
- Use only the supplied or an approved replacement antenna. Unauthorized antennas, modifications or attachments could damage the phone and may violate regulations governing radio devices.
- If the phone, battery, charger, or any accessory is not working properly, take it to your nearest qualified service facility. The personnel there will assist you, and if necessary, arrange for service.

9. Technical Data

Wireless System	Dual-Band TDMA and AMPS
Weight	165g (5.8 oz) with BMS-2/ BMS-2S 900 mAh NiMH Battery
Size	140 cc
Frequency Range	
Lowband	824.04 - 848.97 MHz (TX) 869.04 - 893.97 MHz (RX)
Highband	1850.04 - 1909.92 MHz (TX) 1930.08 - 1989.96 MHz (RX)
Transmitter Output Power	
	Up to 600mW nominal
Battery Voltage	3.6 V nominal
Charging current	850 mAh max.
Operating Temperature	-20°C to + 40°C (-4°F to + 104°F)
Number of Channels	832 lowband 1997 highband
Number of NAMs	3
Memory Locations	199
Memory Capacity	Alpha: 16 digits per location Numeric: 32 digits per location

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The information contained in this phone was written for dual-mode TDMA and AMPS phones.

The right to make changes and improvements to any of the products described in this guide without prior notice is reserved.

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These commodities are authorized by the U.S. Government for export only to Canada, Mexico, or the United States. They may not be resold, diverted, transferred, or otherwise disposed of in any other country, either in their original form or after being incorporated through an intermediate process into other end-items, without the written approval of the U.S. Department of State.

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10. NOKIA One-Year Limited Warranty

Nokia Inc. (“Nokia”) warrants that this cellular phone (“Product”) is free from defects in material and workmanship that result in Product failure during normal usage, according to the following terms and conditions:

1. The limited warranty for the Product extends for ONE (1) year beginning on the date of the purchase of the Product.

2. The limited warranty extends to the original purchaser of the Product (“Consumer”) and is not assignable or transferable to any subsequent purchaser/end-user.

3. The limited warranty extends only to Consumers who purchase the Product in the United States.

4. During the limited warranty period, Nokia will repair, or replace, at Nokia's option, any defective parts, or any parts that will not properly operate for their intended use with new or factory rebuilt replacement items if such repair or replacement is needed because of product malfunction or failure during normal usage. No charge will be made to the Consumer for any such parts. Nokia will also pay for the labor charges incurred by Nokia in repairing or replacing the defective parts. The limited warranty does not cover defects in appearance, cosmetic, decorative or structural items, including framing, and any non-operative parts. Nokia's limit of liability under the limited warranty shall be the actual cash value of the Product at the time the Consumer returns the Product for repair, determined by the price paid by the Consumer for the Product less a reasonable amount for usage. Nokia shall not be liable for any other losses or damages. These remedies are the Consumer’s exclusive remedies for breach of warranty.

5. Upon request from Nokia, the Consumer must prove the date of the original purchase of the Product by a dated bill of sale or dated itemized receipt.

6. The Consumer shall bear the cost of shipping the Product to Nokia in Melbourne, Florida. Nokia shall bear the cost of shipping the Product back to the Consumer after the completion of service under this limited warranty.

7. The Consumer shall have no coverage or benefits under this limited warranty if any of the following conditions are applicable:

a) The Product has been subject to abnormal use, abnormal conditions, improper storage, exposure to moisture or dampness, unauthorized modifications, unauthorized connections, unauthorized repair, misuse, neglect, abuse, accident, alteration, improper installation, or other acts which are not the fault of Nokia, including damage caused by shipping.

b) The Product has been damaged from external causes such as collision with an object, or from fire, flooding, sand, dirt, windstorm, lightning, earthquake or damage from exposure to weather conditions, an Act of God, or battery leakage, theft, blown fuse, or improper use of any electrical source, or damage caused by the connection to other products not recommended for interconnection by Nokia.

c) Nokia was not advised by the Consumer in writing of the alleged defect or malfunction of the Product within fourteen (14) days after the expiration of the applicable limited warranty period.

d) The Product serial number plate or the accessory data code has been removed, defaced or altered.

e) The defect or damage was caused by the defective function of the cellular system or by inadequate signal reception by the external antenna.

8. If a problem develops during the limited warranty period, the Consumer shall take the following step-by-step procedure:

a) The Consumer shall return the Product to the place of purchase for repair or replacement processing.

b) If “a” is not convenient because of distance (more than 50 miles) or for other good cause, the Consumer shall ship the Product prepaid and insured to:

Nokia Inc.
Attn: Repair Department
795 West Nasa Blvd.
Melbourne, FL. 32901

c) The Consumer shall include a return address, daytime phone number and/or fax number, complete description of the problem, proof of purchase and service agreement (if applicable). Expenses related to removing the Product from an installation are not covered under this limited warranty.

d) The Consumer will be billed for any parts or labor charges not covered by this limited warranty. The Consumer will be responsible for any expenses related to reinstallation of the Product.

e) Nokia will repair or authorize the repair of the Product under the limited warranty within 30 days after receipt of the Product by Nokia or an Nokia authorized service center. If Nokia cannot perform repair covered under this limited warranty within 30 days, or after a reasonable number of attempts to repair the same defect, Nokia at its option, will provide a replacement Product or refund the purchase price of the Product less a reasonable amount for usage.

f) If the Product is returned to Nokia during the limited warranty period, but the problem with the Product is not covered under the terms and conditions of this limited warranty, the Consumer will be notified and given an estimate of the charges the Consumer must pay to have the Product repaired, with all shipping charges billed to the Consumer. If the estimate is refused, the Product will be returned freight collect. If the Product is returned to Nokia after the expiration of the limited warranty period, Nokia's normal service policies shall apply and the Consumer will be responsible for all shipping charges.

9. The Product consists of newly assembled equipment that may contain used components that have been reprocessed to allow machine compliance with Product performance and reliability specifications.

10. ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE OR USE, SHALL BE LIMITED TO THE DURATION OF THE FOREGOING LIMITED WRITTEN WARRANTY. OTHERWISE, THE FOREGOING LIMITED WARRANTY IS THE CONSUMER'S SOLE AND EXCLUSIVE REMEDY AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED. NOKIA SHALL NOT BE LIABLE FOR SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO, LOSS OF ANTICIPATED BENEFITS OR PROFITS, LOSS OF SAVINGS OR REVENUE, PUNITIVE DAMAGES, LOSS OF USE OF THE PRODUCT OR ANY ASSOCIATED EQUIPMENT, COST OF CAPITAL, COST OF ANY SUBSTITUTE EQUIPMENT OR FACILITIES, DOWN-TIME, THE CLAIMS OF ANY THIRD PARTIES, INCLUDING CUSTOMERS, AND INJURY TO PROPERTY, RESULTING FROM THE PURCHASE OR USE OF THE PRODUCT OR ARISING FROM BREACH OF THE WARRANTY, BREACH OF CONTRACT, NEGLIGENCE, STRICT TORT, OR ANY OTHER LEGAL OR EQUITABLE THEORY, EVEN IF NOKIA KNEW OF THE LIKELIHOOD OF SUCH DAMAGES. NOKIA SHALL NOT BE LIABLE FOR DELAY IN RENDERING SERVICE UNDER THE LIMITED WARRANTY, OR LOSS OF USE DURING THE PERIOD THAT THE PRODUCT IS BEING REPAIRED.

11. Some states do not allow limitation of how long an implied warranty lasts, so the above one-year warranty limitation may not apply to you (the Consumer). Some states do not allow the exclusion or limitation of incidental and consequential damages, so certain of the above limitations or exclusions may not apply to you (the Consumer). This limited warranty gives the Consumer specific legal rights and the Consumer may also have other rights which vary from state to state.

12. Nokia neither assumes nor authorizes any authorized service center or any other person or entity to assume for it any other obligation or liability beyond that which is expressly provided for in this limited warranty including the provider or seller of any extended warranty or service agreement.

13. This is the entire warranty between Nokia and the Consumer, and supersedes all prior and contemporaneous agreements or understandings, oral or written, and all communications relating to the Product, and no representation, promise or condition not contained herein shall modify these terms.

14. This limited warranty allocates the risk of failure of the Product between the Consumer and Nokia. The allocation is recognized by the Consumer and is reflected in the purchase price of the Product.

15. Any action or lawsuit for breach of warranty must be commenced within eighteen (18) months following delivery of the Product.

16. Questions concerning this limited warranty may be directed to:

Nokia Customer Care Center
Nokia Inc.
7725 Woodland Center Boulevard, Suite #150
Tampa, FL 33614
Telephone: 1-888-NOKIA2U (1-888-665-4228)
Facsimile: (813) 249-9619
TTY Users: 1-800-24NOKIA (1-800-246-6542)

17. The limited warranty period for Nokia supplied attachments and accessories is specifically defined within their own warranty cards and packaging.

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Para obtener un manual del usuario en español favor de llamar o enviar un fax al teléfono 1-888-NOKIA2U (1-888-665-4228), fax 1-813-249-9619.